



**AWARDS WILL BE MADE AT THE CLIN LEVEL. MULTIPLE AWARDS ARE ANTICIPATED.**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	ENCLOSURE FFP Machined and welded metal Enclosure, and Enclosure Frame for MK 437 Gun Mount Control Panel.  To be manufactured, and welded to the exact specifications of attached technical drawings #7245045, 7245038, and 7245037, as well as the individual part drawings referenced in the following subCLINs (also attached).		Each		
ITEM NO 0001AA	ENCLOSURE WELDMENT FFP See attached drawing #7245038.	18	Each		
ITEM NO 0001AB	TOP ENCLOSURE FFP See attached drawing #7245044.	18	Each		
ITEM NO 0001AC	ENCLOSURE SIDE FFP See attached drawing #7245043.	18	Each		
ITEM NO 0001AD	BASE REAR FFP See attached drawing #7245042.	18	Each		
ITEM NO 0001AE	BASE SIDE FFP See attached drawing #7245041.	18	Each		
ITEM NO 0001AF	BASE PLATE FFP See attached drawing #7245040.	18	Each		

ITEM NO 0001AG	SUPPLIES/SERVICES ENCLOSURE FRAME WELDMENT FFP See attached drawing #7245037.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0001AH	SUPPLIES/SERVICES FRAME BASE FFP See attached drawing #7245039.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0001AJ	SUPPLIES/SERVICES REAR PLATE FFP See attached drawing #7245036.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0001AK	SUPPLIES/SERVICES RIGHT SIDE FRAME WELDMENT FFP See attached drawing #7245034.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0001AL	SUPPLIES/SERVICES LEFT SIDE FRAME WELDMENT FFP See attached drawing #7245033.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0001AM	SUPPLIES/SERVICES FRONT FRAME FFP See attached drawing #7245035.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002	SUPPLIES/SERVICES PEDESTAL FFP Machined and welded metal Pedestal for MK 437 Gun Mount Control Panel.  To be manufactured, and welded to the exact specifications of attached technical drawing #7245400, as well as the individual part drawings referenced in the following subCLINs (also attached).	QUANTITY	UNIT Each	UNIT PRICE	AMOUNT

ITEM NO 0002AA	SUPPLIES/SERVICES GUSSET, BASE PLATE FFP See attached drawing #7402568.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002AB	SUPPLIES/SERVICES PLATE, BASE FFP See attached drawing #7402567.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002AC	SUPPLIES/SERVICES GUSSET FFP See attached drawing #7245404.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002AD	SUPPLIES/SERVICES BRACKET, ISOLATION TRANSFORMER FFP See attached drawing #7245403.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002AE	SUPPLIES/SERVICES COLUMN FFP See attached drawing #7245402.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0002AF	SUPPLIES/SERVICES FLANGE, COLUMN FFP See attached drawing #7245401.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	BOX FFP Machined and welded metal Box, and Box Skin for MK 437 Gun Mount Control Panel.  To be manufactured, and welded to the exact specifications of attached technical drawings #7244503, 7244504, and 7244505, as well as the individual part drawings referenced in the following subCLINs (also attached).		Each		
ITEM NO 0003AA	SUPPLIES/SERVICES BOX, WELDMENT FFP See attached drawing #7244504.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0003AB	SUPPLIES/SERVICES TOP FFP See attached drawing #7244512.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0003AC	SUPPLIES/SERVICES FRAME, FRONT FFP See attached drawing #7244508.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0003AD	SUPPLIES/SERVICES FRAME, REAR FFP See attached drawing #7244507.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0003AE	SUPPLIES/SERVICES SKIN WELDMENT FFP See attached drawing #7244505.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT
ITEM NO 0003AF	SUPPLIES/SERVICES PLATE FFP See attached drawing #7244514.	QUANTITY 18	UNIT Each	UNIT PRICE	AMOUNT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AG	SKIN FFP See attached drawing #7244511.	18	Each		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AH	BAR FFP See attached drawing #7244506.	18	Each		

#### CLAUSES INCORPORATED BY REFERENCE

252.204-7001	Commercial And Government Entity (CAGE) Code Reporting	AUG 1999
--------------	--	----------

#### CLAUSES INCORPORATED BY FULL TEXT

52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

##### (a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

##### (d) Taxpayer Identification Number (TIN).

\_\_\_ TIN:-----

\_\_\_ TIN has been applied for.

\_\_\_ TIN is not required because:

\_\_\_ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

\_\_\_ Offeror is an agency or instrumentality of a foreign government;

\_\_\_ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

\_\_\_ Sole proprietorship;

\_\_\_ Partnership;

\_\_\_ Corporate entity (not tax-exempt);

\_\_\_ Corporate entity (tax-exempt);

\_\_\_ Government entity (Federal, State, or local);

\_\_\_ Foreign government;

\_\_\_ International organization per 26 CFR 1.6049-4;

\_\_\_ Other-----

(f) Common parent.

\_\_\_ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

\_\_\_ Name and TIN of common parent:

Name-----

TIN-----

(End of provision)

#### 52.213-4 TERMS AND CONDITIONS--SIMPLIFIED ACQUISITIONS (OTHER THAN COMMERCIAL ITEMS) (OCT 2003)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses that are incorporated by reference:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-3, Convict Labor (June 2003) (E.O. 11755).

(ii) 52.222-21, Prohibition of Segregated Facilities (Feb 1999) (E.O. 11246).



(iii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iv) 52.225-13, Restrictions on Certain Foreign Purchases (Oct 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

(v) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).

(2) Listed below are additional clauses that apply:

(i) 52.232-1, Payments (Apr 1984).

(ii) 52.232-8, Discounts for Prompt Payment (Feb 2002).

(iii) 52.232-11, Extras (Apr 1984).

(iv) 52.232-25, Prompt Payment (Oct 2003).

(v) 52.233-1, Disputes (Jul 2002).

(vi) 52.244-6, Subcontracts for Commercial Items (APR 2003).

(vii) 52.253-1, Computer Generated Forms (Jan 1991).

(b) The Contractor shall comply with the following FAR clauses, incorporated by reference, unless the circumstances do not apply:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Sept 2002) (E.O. 13126). (Applies to contracts for supplies exceeding the micro-purchase threshold.)

(ii) 52.222-20, Walsh-Healey Public Contracts Act (DEC 1996) (41 U.S.C. 35-45) (Applies to supply contracts over \$10,000 in the United States, Puerto Rico, or the U.S. Virgin Islands).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998) (29 U.S.C. 793) (Applies to contracts over \$10,000, unless the work is to be performed outside the United States by employees recruited outside the United States.) (For purposes of this clause, United States includes the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.).

(v) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212) (Applies to contracts over \$25,000).

(vi) 52.222-41, Service Contract Act, As Amended (May 1989) (41 U.S.C. 351, et seq.) (Applies to service contracts over \$2,500 that are subject to the Service Contract Act and will be performed in the United States, District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, or the outer continental shelf lands.).

(vii) 52.223-5, Pollution Prevention and Right-to-Know Information (Aug 2003) (E.O. 13148) (Applies to services performed on Federal facilities).

(viii) 52.225-1, Buy American Act--Supplies (June 2003) (41 U.S.C. 10a-10d) (Applies to contracts for supplies, and to contracts for services involving the furnishing of supplies, for use in the United States or its outlying areas, if the value of the supply contract or supply portion of a service contract exceeds the micro-purchase threshold and the **acquisition--**

(A) Is set aside for small business concerns; or

(B) Cannot be set aside for small business concerns (see 19.502-2), and does not exceed \$25,000.)

(ix) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (May 1999). (Applies when the payment will be made by electronic funds transfer (EFT) and the payment office uses the Central Contractor Registration (CCR) database as its source of EFT information.)

(x) 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration (Oct 2003). (Applies when the payment will be made by EFT and the payment office does not use the CCR database as its source of EFT information.)

(xi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241). (Applies to supplies transported by ocean vessels (except for the types of subcontracts listed at 47.504(d).)

(2) Listed below are additional clauses that may apply:

(i) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (JULY 1995) (Applies to contracts over \$25,000).

(ii) 52.211-17, Delivery of Excess Quantities (SEPT 1989) (Applies to fixed-price supplies).

(iii) 52.247-29, F.o.b. Origin (JUN 1988) (Applies to supplies if delivery is f.o.b. origin).

(iv) 52.247-34, F.o.b. Destination (NOV 1991) (Applies to supplies if delivery is f.o.b. destination).

(c) FAR 52.252-2, Clauses Incorporated by Reference (FEB 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

(Insert one or more Internet addresses)

(d) Inspection/Acceptance. The Contractor shall tender for acceptance only those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its postacceptance rights--

(1) Within a reasonable period of time after the defect was discovered or should have been discovered; and

(2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(e) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence, such as acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the

Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(f) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to the satisfaction of the Government, using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided.

(g) Termination for cause. The Government may terminate this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(h) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(End of clause)

#### 52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is (332322) (insert NAICS code).

(2) The small business size standard is (500 employees) (insert size standard).

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it ( ) is, ( ) is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ( ) is, ( ) is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It ( ) is, ( ) is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ( ) is, ( ) is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture:\_\_\_\_\_.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

- (i) Be punished by imposition of fine, imprisonment, or both;
- (ii) Be subject to administrative remedies, including suspension and debarment; and
- (iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

#### 52.219-6 NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE (JUN 2003)

(a) Definition.

"Small business concern," as used in this clause, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the size standards in this solicitation.

(b) General. (1) Offers are solicited only from small business concerns. Offers received from concerns that are not small business concerns shall be considered nonresponsive and will be rejected.

(2) Any award resulting from this solicitation will be made to a small business concern.

(c) Agreement. A small business concern submitting an offer in its own name shall furnish, in performing the contract, only end items manufactured or produced by small business concerns in the United States or its outlying areas. If this procurement is processed under simplified **acquisition** procedures and the total amount of this contract does not exceed \$25,000, a small business concern may furnish the product of any domestic firm. This paragraph does not apply to construction or service contracts.

(End of clause)

#### 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER—CENTRAL CONTRACTOR REGISTRATION (OCT 2003)

(a) Method of payment. (1) All payments by the Government under this contract shall be made by electronic funds transfer (EFT), except as provided in paragraph (a)(2) of this clause. As used in this clause, the term "EFT" refers to the funds transfer and may also include the payment information transfer.

(2) In the event the Government is unable to release one or more payments by EFT, the Contractor agrees to either--

- (i) Accept payment by check or some other mutually agreeable method of payment; or
- (ii) Request the Government to extend the payment due date until such time as the Government can make payment by EFT (but see paragraph (d) of this clause).

(b) Contractor's EFT information. The Government shall make payment to the Contractor using the EFT information contained in the Central Contractor Registration (CCR) database. In the event that the EFT information changes, the Contractor shall be responsible for providing the updated information to the CCR database.

(c) Mechanisms for EFT payment. The Government may make payment by EFT through either the Automated Clearing House (ACH) network, subject to the rules of the National Automated Clearing House Association, or the Fedwire Transfer System. The rules governing Federal payments through the ACH are contained in 31 CFR part 210.

(d) Suspension of payment. If the Contractor's EFT information in the CCR database is incorrect, then the Government need not make payment to the Contractor under this contract until correct EFT information is entered into the CCR database; and any invoice or contract financing request shall be deemed not to be a proper invoice for the purpose of prompt payment under this contract. The prompt payment terms of the contract regarding notice of an improper invoice and delays in accrual of interest penalties apply.

(e) Liability for uncompleted or erroneous transfers. (1) If an uncompleted or erroneous transfer occurs because the Government used the Contractor's EFT information incorrectly, the Government remains responsible for--

(i) Making a correct payment;

(ii) Paying any prompt payment penalty due; and

(iii) Recovering any erroneously directed funds.

(2) If an uncompleted or erroneous transfer occurs because the Contractor's EFT information was incorrect, or was revised within 30 days of Government release of the EFT payment transaction instruction to the Federal Reserve System, and--

(i) If the funds are no longer under the control of the payment office, the Government is deemed to have made payment and the Contractor is responsible for recovery of any erroneously directed funds; or

(ii) If the funds remain under the control of the payment office, the Government shall not make payment, and the provisions of paragraph (d) of this clause shall apply.

(f) EFT and prompt payment. A payment shall be deemed to have been made in a timely manner in accordance with the prompt payment terms of this contract if, in the EFT payment transaction instruction released to the Federal Reserve System, the date specified for settlement of the payment is on or before the prompt payment due date, provided the specified payment date is a valid date under the rules of the Federal Reserve System.

(g) EFT and assignment of claims. If the Contractor assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Contractor shall require as a condition of any such assignment, that the assignee shall register separately in the CCR database and shall be paid by EFT in accordance with the terms of this clause. Notwithstanding any other requirement of this contract, payment to an ultimate recipient other than the Contractor, or a financial institution properly recognized under an assignment of claims pursuant to subpart 32.8, is not permitted. In all respects, the requirements of this clause shall apply to the assignee as if it were the Contractor. EFT information that shows the ultimate recipient of the transfer to be other than the Contractor, in the absence of a proper assignment of claims acceptable to the Government, is incorrect EFT information within the meaning of paragraph (d) of this clause.

(h) Liability for change of EFT information by financial agent. The Government is not liable for errors resulting from changes to EFT information made by the Contractor's financial agent.

(i) Payment information. The payment or disbursing office shall forward to the Contractor available payment information that is suitable for transmission as of the date of release of the EFT instruction to the Federal Reserve

System. The Government may request the Contractor to designate a desired format and method(s) for delivery of payment information from a list of formats and methods the payment office is capable of executing. However, the Government does not guarantee that any particular format or method of delivery is available at any particular payment office and retains the latitude to use the format and delivery method most convenient to the Government. If the Government makes payment by check in accordance with paragraph (a) of this clause, the Government shall mail the payment information to the remittance address contained in the CCR database.

(End of Clause)

52.247-45 F.O.B. ORIGIN AND/OR F.O.B. DESTINATION EVALUATION (APR 1984)

Offers are invited on the basis of both f.o.b. origin and f.o.b. destination, and the Government will award on the basis the Contracting Officer determines to be most advantageous to the Government. An offer on the basis of f.o.b. origin only or f.o.b. destination only is acceptable, but will be evaluated only on the basis submitted.

(End of provision)

252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION ALTERNATE A (NOV 2003)

(a) Definitions. As used in this clause--

“Central Contractor Registration (CCR) database” means the primary Government repository for contractor information required for the conduct of business with the Government.

“Commercial and Government Entity (CAGE) code” means--

(1) A code assigned by the Defense Logistics Information Service (DLIS) to identify a commercial or Government entity; or

(2) A code assigned by a member of the North Atlantic Treaty Organization that DLIS records and maintains in the CAGE master file. This type of code is known as an “NCAGE code.”

“Data Universal Numbering System (DUNS) number” means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.

“Data Universal Numbering System +4 (DUNS+4) number” means the DUNS number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11 of the Federal Acquisition Regulation) for the same parent concern.

“Registered in the CCR database” means that--

(1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database;

(2) The Contractor's CAGE code is in the CCR database; and

(3) The Government has validated all mandatory data fields and has marked the records “Active.”

(b)(1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance, and through final payment of any contract, basic agreement, basic ordering agreement, or blanket purchasing agreement resulting from this solicitation.

(2) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation “DUNS” or “DUNS +4” followed by the DUNS or DUNS +4 number that identifies the offeror's name and address exactly as stated in the offer. The DUNS number will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.

(c) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) An offeror may obtain a DUNS number--

(i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com>; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office.

(2) The offeror should be prepared to provide the following information:

(i) Company legal business.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company Physical Street Address, City, State, and Zip Code.

(iv) Company Mailing Address, City, State and Zip Code (if separate from physical).

(v) Company Telephone Number.

(vi) Date the company was started.

(vii) Number of employees at your location.

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror.

(e) Processing time, which normally takes 48 hours, should be taken into consideration when registering. Offerors who are not registered should consider applying for registration immediately upon receipt of this solicitation.

(f) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(g)(1)(i) If a Contractor has legally changed its business name, “doing business as” name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business day's written notification of its intention to (A) change the name in the CCR database; (B) comply with the requirements of Subpart 42.12 of the



FAR; and (C) agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the "Suspension of Payment" paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractor's CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the "Suspension of payment" paragraph of the EFT clause of this contract.

(h) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the internet at <http://www.ccr.gov> or by calling 1-888-227-2423, or 269-961-5757.

(End of clause)

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	100 dys. ADC		NAVSEA Indian Head Division Receiving Officer 101 Strauss Ave., Bldg. 116 Indian Head, MD. 20640-5035 301/744-4861 Scott McKee, Bldg. 116E FOB:	N00174
0001AA	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AB	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AC	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AD	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AE	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AF	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AG	100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174

0001AH 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AJ 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AK 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AL 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0001AM 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002 100 dys. ADC		(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002AA 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002AB 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002AC 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002AD 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002AE 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0002AF 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003 100 dys. ADC		(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AA 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AB 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AC 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AD 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AE 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174

0003AF 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AG 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174
0003AH 100 dys. ADC	18	(SAME AS PREVIOUS LOCATION) FOB:	N00174

**THE OFFEROR SHALL PROVIDE THE FOLLOWING INFORMATION:**

**GENERAL INFORMATION:** Each offeror must submit an offer/proposal and other written information in strict accordance with these instructions. Therefore, the Government encourages Offerors to contact the contracting officer by telephone, facsimile transmission, e-mail, or mail in order to request an explanation of any aspect of these instructions. The RFQ is being conducted on a best value basis utilizing the tradeoff process.

The Offerors shall submit the following information. Failure to do so will render an offer ineligible for award

1. Two (2) completed and signed RFQ packages, with all representation certifications executed, and with prices in Section B.
2. Two (2) copies of the technical proposal
3. Two (2) copies of the past performance information
4. Two (2) copies of the price proposal

**OFFERORS SHALL ADDRESS THE FOLLOWING FACTORS:** (Listed in order of importance) Information shall be submitted in three separate sections as detailed below.

**TECHNICAL PROPOSAL** – Shall address Factors as detailed below. Not to exceed 15 single sided pages, not less than 10 pitch (Times New Roman or similar).

### **1. Technical**

The offeror must demonstrate their ability to fabricate and deliver Weldments (enclosure, pedestal, and box) that meet all requirements identified in the RFQ. The offeror must demonstrate that they have produced same or similar Weldments. The offeror must have experience in working with helicoils.

### **2. Experience**

The offeror shall provide evidence that demonstrates during the past three (3) years experience in manufacturing, and delivering in a timely manner, Weldments, same or similar, to the parts described in the RFQ.

**Past Performance** - Shall contain only the Past Performance Information)

Past Performance is a measure of the degree to which an Offeror, as an organization, has during the past three (3) years: (1) satisfied its customers, and (2) complied with federal, state, local laws and regulations. The Offeror shall provide a list of references using the *Past Performance Matrix, (Attachment 2)*, who will be able to provide information regarding the Offerors past performance during the past three (3) years regarding; (1) customer satisfaction; (2) timeliness; (3) technical success; (4) program management; (5) and quality.

The Offeror will submit the *Past Performance Questionnaire (Attachment 3)* to each of the references listed on the Past Performance Matrix, a minimum of three (3) is required. The Offeror shall instruct the references to complete Past Performance Questionnaire and return it directly to:

Naval Sea Systems Command, Indian Head Division  
101 Strauss Avenue  
Attn: Amanda Bray, Code 1141F, Building 1558  
Indian Head, MD 20640-5035

Fax: (301) 744-6635 Email: [brayal@ih.navy.mil](mailto:brayal@ih.navy.mil)

The Offerors selected references must be listed on the Past Performance Matrix. Failure of the references to submit Past Performance Questionnaire to the contract specialist by the Closing Date of the Solicitation may result in inability of the Government to rank the Offerors past performance.

**NOTE: PAST PERFORMANCE INFORMATIONAL & QUESTIONNAIRE SHEETS ARE ATTACHMENTS TO RFQ.**

**1. Price**

The price proposal shall include the completed RFQ document and any available pricing information to facilitate the price analysis that will be performed in evaluating the proposal (i.e., cost breakdown, catalog pricing, past pricing history, etc.).

The price/cost information shall include data regarding the general financial condition of the offeror and specific plans for financing the proposed contract. The Government does not intend to provide any financial assistance.

**EVALUATION FACTORS FOR AWARD**

- 1. GENERAL:** The government shall award a contract resulting from this RFQ to the responsible offeror whose submission, complying with the instructions and conforming to the solicitation, represents the best value on the basis of an integrated assessment of the evaluation factors for award. Once all evaluations are complete and tabulated in accordance with the Source Selection Plan, the government will make a series of comparisons among the Offerors by comparing the tabulated scores to the evaluated price or. From these comparisons the government will determine the offeror who offers the best value to the government.
- 2. RELATIVE IMPORTANCE OF THE EVALUATION FACTORS:** Since an Offeror must comply with the instructions contained in the Instructions to Offerors it behooves an offeror to read carefully the instructions as the Contracting Officer may eliminate an Offeror from further consideration for failure to comply with the instructions. In deciding which of the Offerors, complying with the instructions, is the best value the government will consider the following factors, listed in order of importance unless otherwise noted:

**FACTORS:**

- 1. Technical**
- 2. Experience**
- 3. Past Performance\***

**\*Past performance is equal in value to factors 1 and 2 combined.**

**Subfactors:**

- a. Enclosure Weldment

- b. Pedestal Weldment
- c. Box Weldment

**Past Performance shall be rated based on the following:**

1. The Government will evaluate the quality of the Offeror's past performance. This evaluation is separate and distinct from the Contracting Officer's responsibility determination. The assessment of the Offeror's past performance will be used to evaluate the relative capability of the Offeror and their competitors to successfully meet the requirements of the RFQ.

2. The Government will evaluate the quality of the Offeror's past performance. This may include any aspect of past performance that is related to this contract. A record of poor past performance may be considered an indication that the Offeror may be lacking in areas such as technical success, quality and customer satisfaction. In evaluating an Offeror's past performance, the Government will consider information contained in the Offeror's past performance references, information obtained from other sources, including past and present customers, subcontractors and any others who may have useful information, and other past performance data available to the Government. Offerors with no past performance history will receive a neutral rating.

a. The subfactors listed below (which are equal in importance) will be used to evaluate past performance:

i. Customer Satisfaction. The Offeror's demonstrated commitment to maintaining an acceptable level of performance and customer satisfaction.

ii. Timeliness. The Offeror's demonstrated ability to meet contract schedules and delivery dates.

iii. Technical Success. The Offeror's demonstrated ability to understand and perform contract requirements.

iv. Program Management. The Offeror's ability to meet or exceed its subcontracting plans.

v. Quality. The Offeror's demonstrated ability to conform to contract specification requirements.

3. Contracting Officers will use the following adjectival definitions as guidelines in evaluating past performance:

**Excellent** - The Offeror's performance was consistently superior. The contractual performance was accomplished with minor problems, to which corrective action taken by the contractor was highly effective.

**Good** - The Offeror's performance was better than average. The contractual performance was accomplished with some minor problems, to which corrective actions taken by the contractor were effective. They would be willing to do business with the Offeror again.

**Average**- The Offeror's performance was adequate. The contractual performance reflects a problem, to which the contractor has not yet identified corrective actions. Consideration would take part in awarding a contract to the Offeror again.

**Poor** - The Offeror's performance was entirely inadequate. The contractual performance of the element being assessed contains problems, to which the contractor's corrective actions appear to be or were ineffective. They would not do business with the Offeror again under any circumstances.

**Neutral** - Offerors lacking relevant past performance history will receive a neutral rating for past performance.

#### 4. Price

Although cost/price is the least important factor, it will not be ignored. The degree of its importance will increase with the degree of equality of the offers in relation to the other factors on which selection is to be made.

Once all evaluations are complete the corresponding scores shall be tabulated and placed in a chart as follows in this example:

<u>Offeror</u>	<u>Factors 1&amp; 2 Score*</u>	<u>Past Performance Rating</u>	<u>Cost/Price</u>
A	88	Excellent	\$40,025
B	93	Excellent	\$45,000
C	0 **	Good	\$42,500
D	82	Excellent	\$38,500
E	93	Poor	\$39,000

\* Not to exceed 100

\*\*\* Offeror did not comply with RFQ instructions - was not evaluated

Once this information is tabulated, Offerors will be compared making value and price tradeoffs and award will be made to the offeror that represents the Best Value to the Government. If the offeror with the highest scores also represents the lowest price then that offeror is clearly the Best Value. If an offeror with higher scores has a higher price, then a determination must be made whether the difference in value is worth the higher price. In the example the government may award to Offeror A, Offeror B (if it could be determined whether the difference in greater value is worth the difference in price when compared to Offeror A), or Offeror D. Offeror E, even though reflective of a high technical score would be eliminated based on the POOR Past Performance rating.

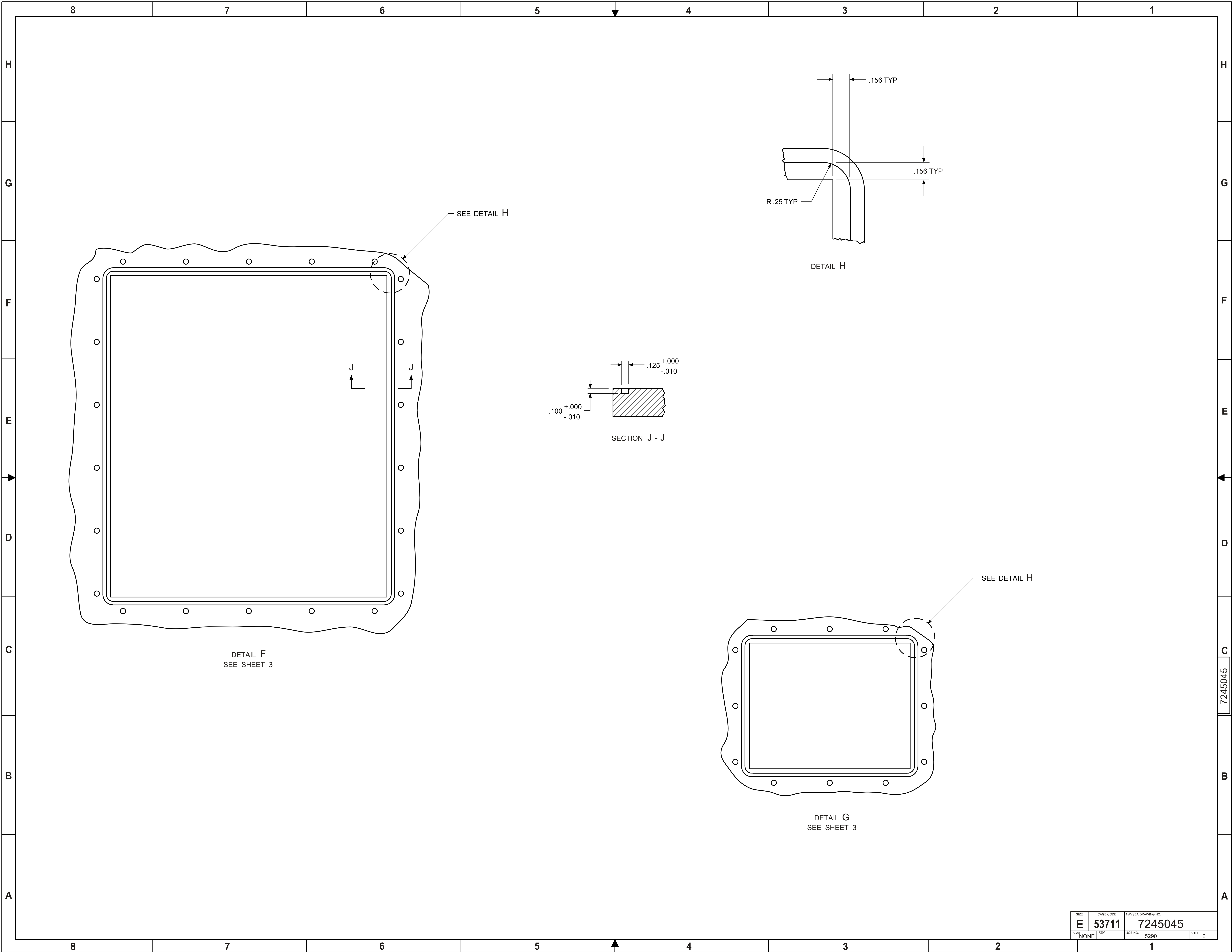
**PAST PERFORMANCE MATRIX**

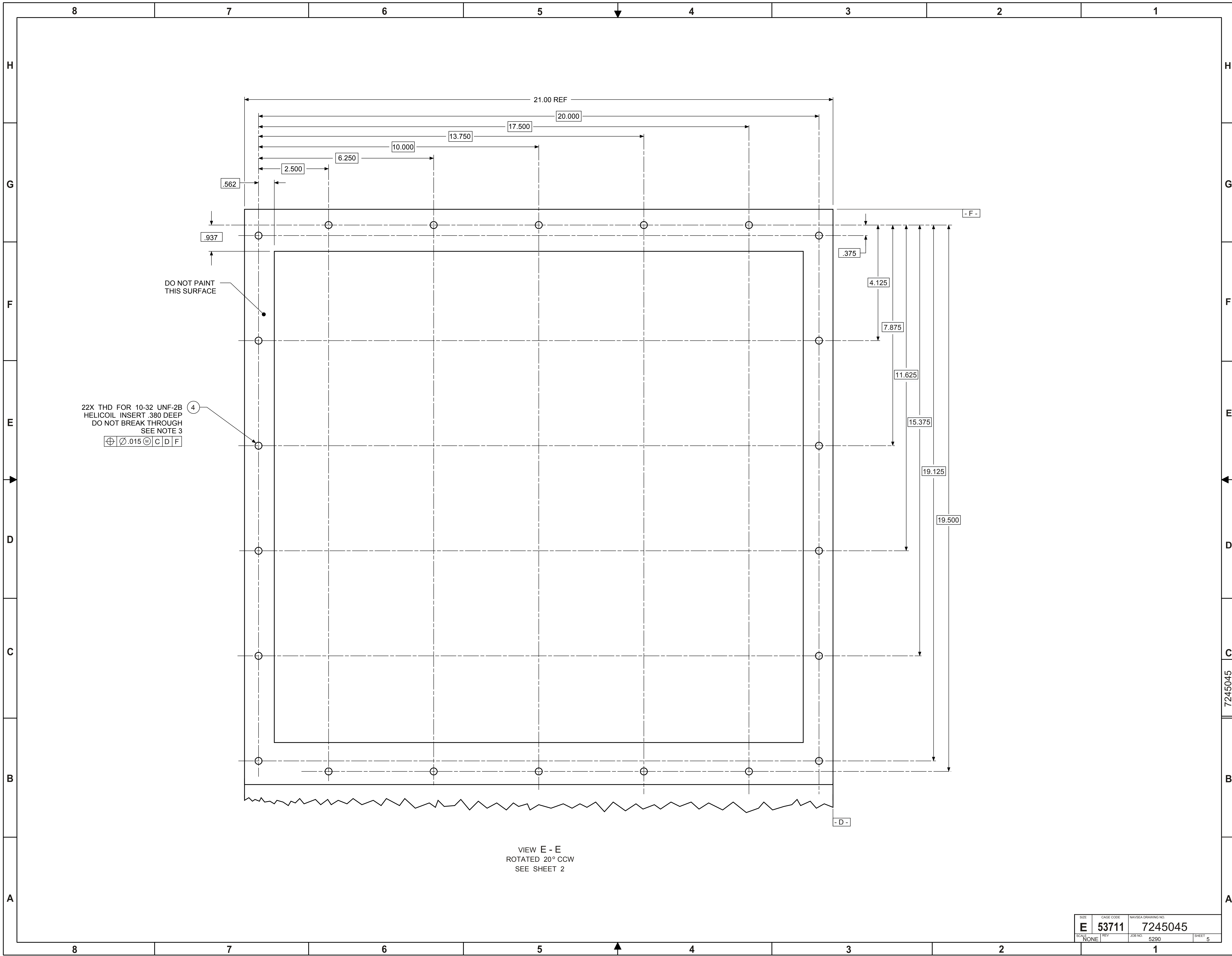
References	Dollar Value of Contract	Work Description	Contract Completed on Time YES/NO	Contract Completed at Cost YES/NO (if No, % of overrun)	Provide Explanation for NO Answers

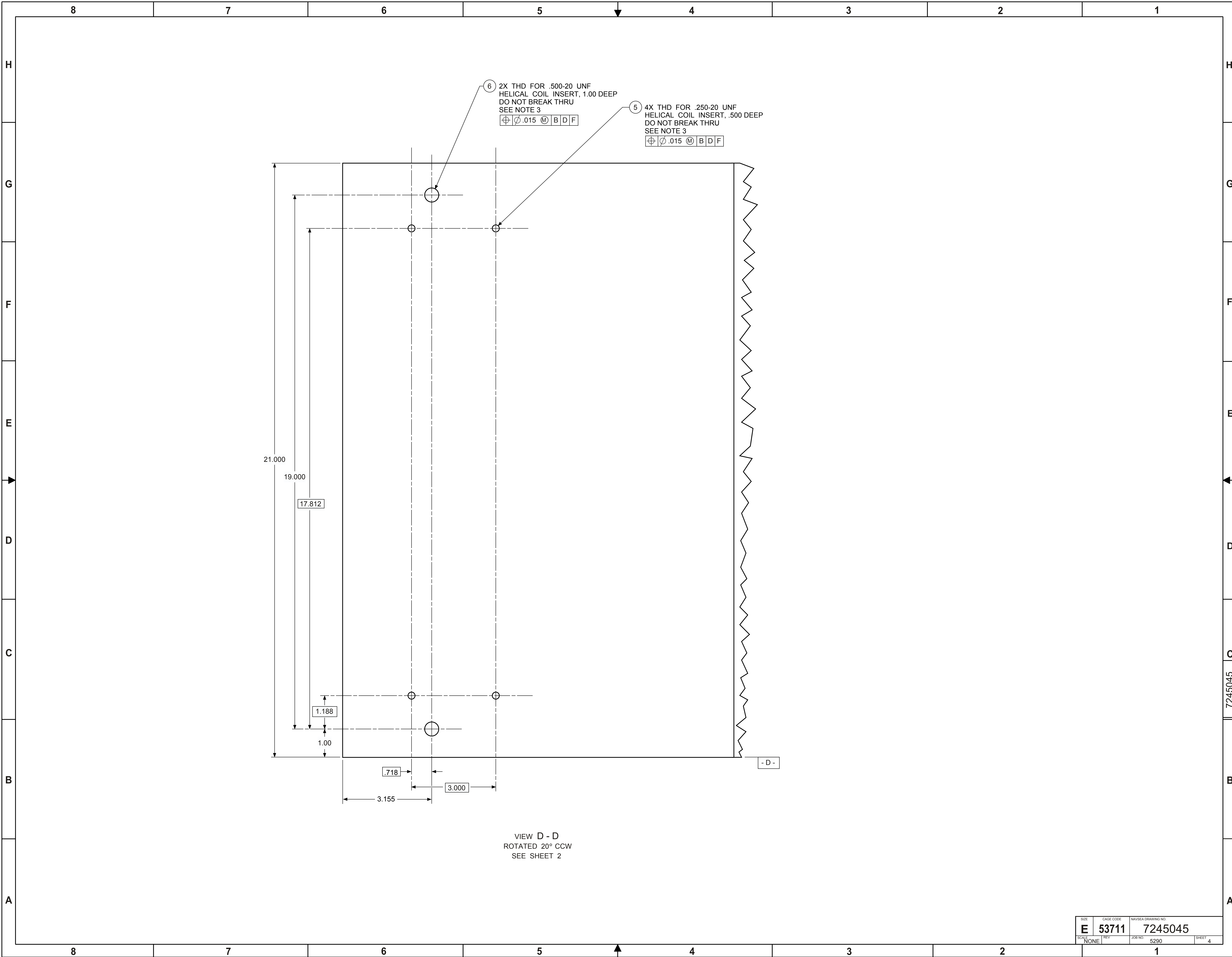
**REFERENCES COLUMN SHOULD INCLUDE GOVERNMENT ACTIVITY/COMPANY NAME, ADDRESS, POC, AND TELEPHONE NUMBER**

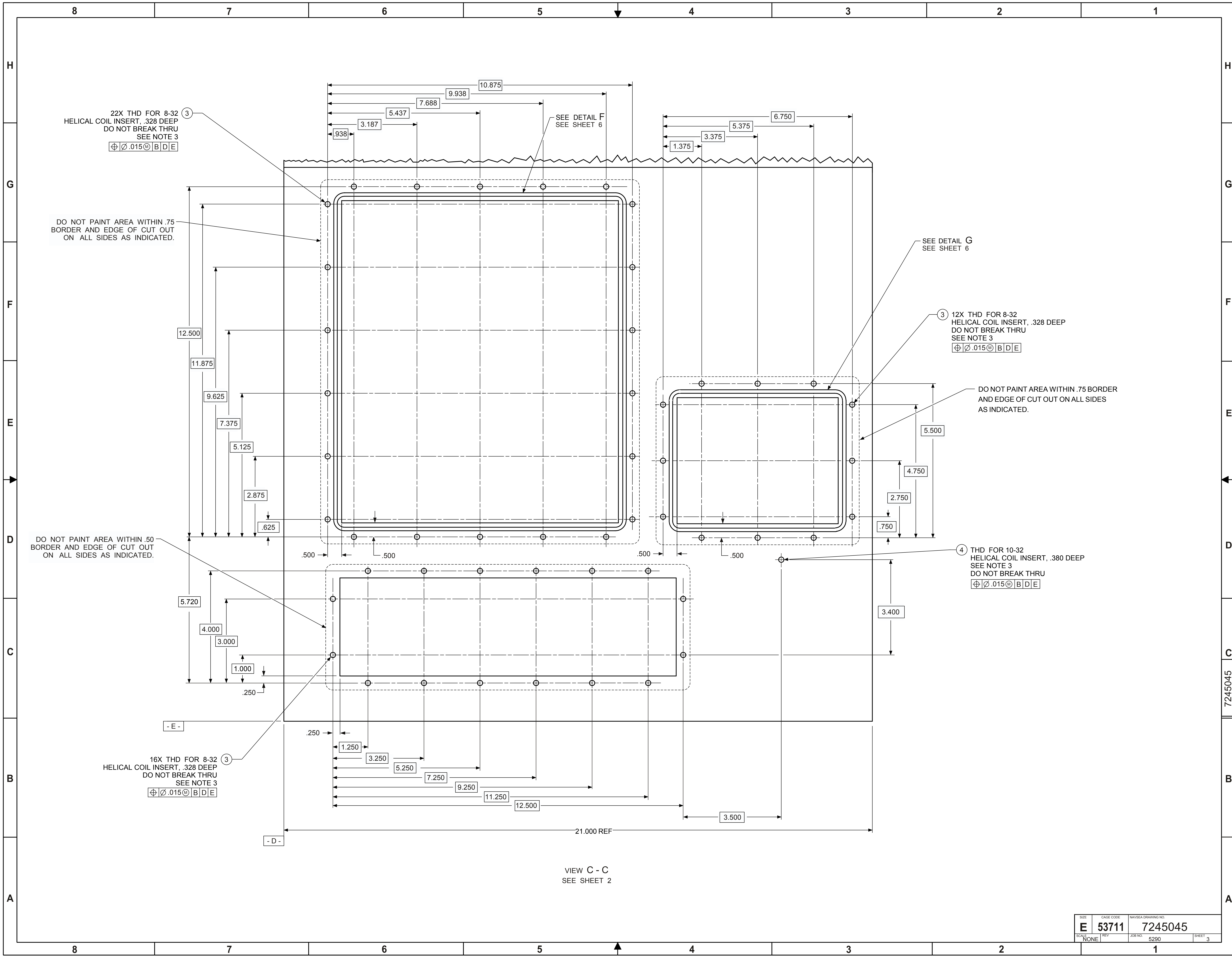
ATTACHMENT (1)

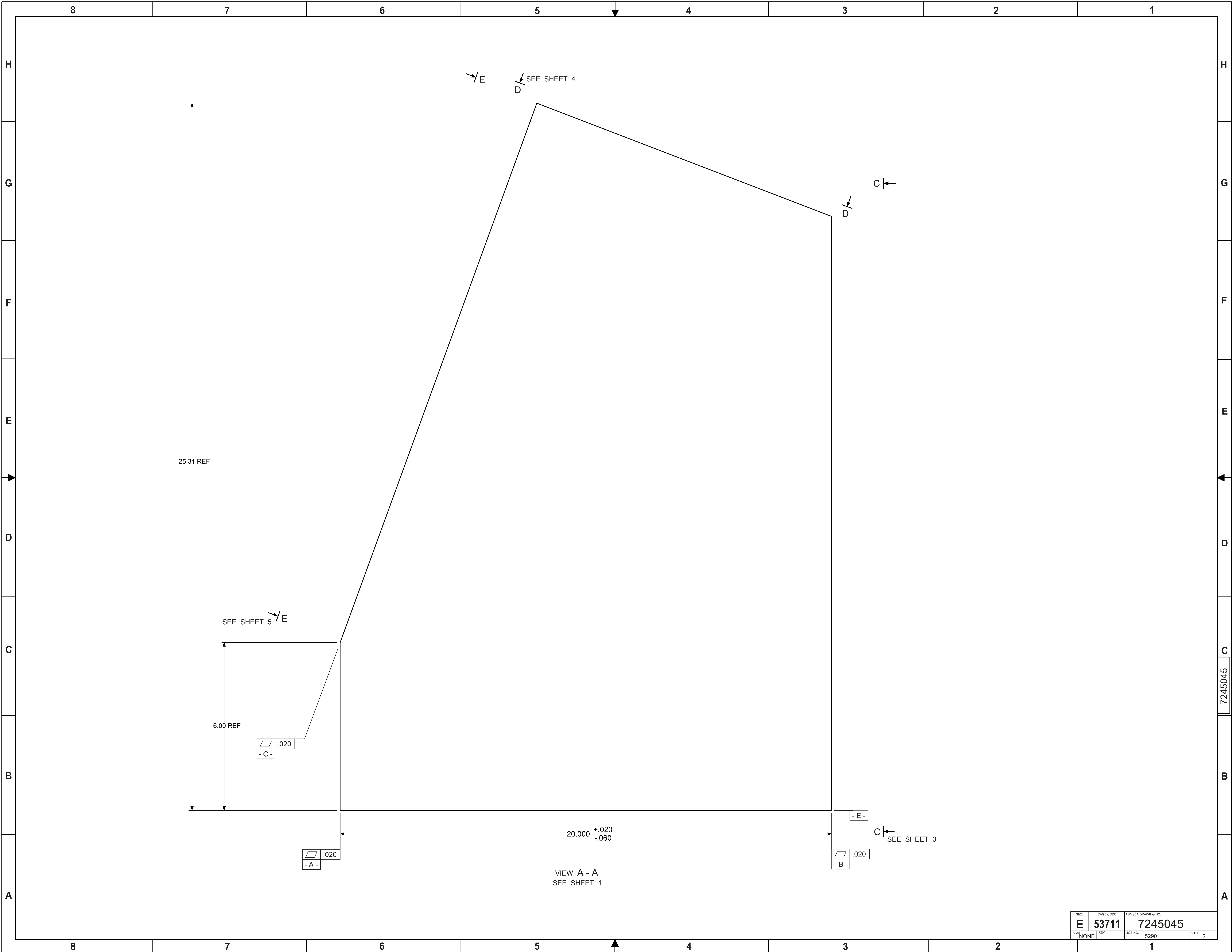




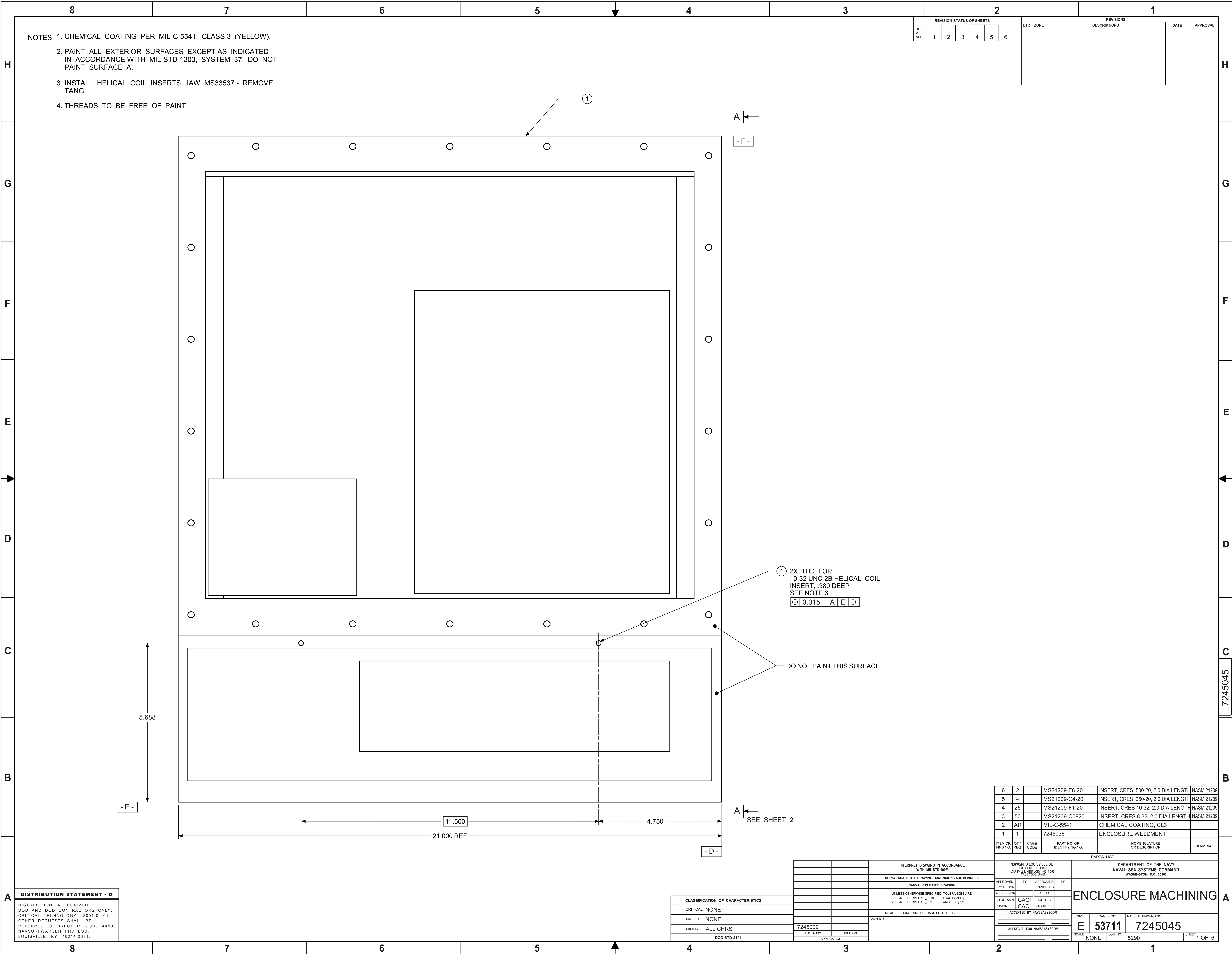












REVISION STATUS OF SHEETS						
RE V	1	2	3	4	5	6
SH						

		REVISIONS				
LTR	ZONE	DESCRIPTIONS			DATE	APPROVAL

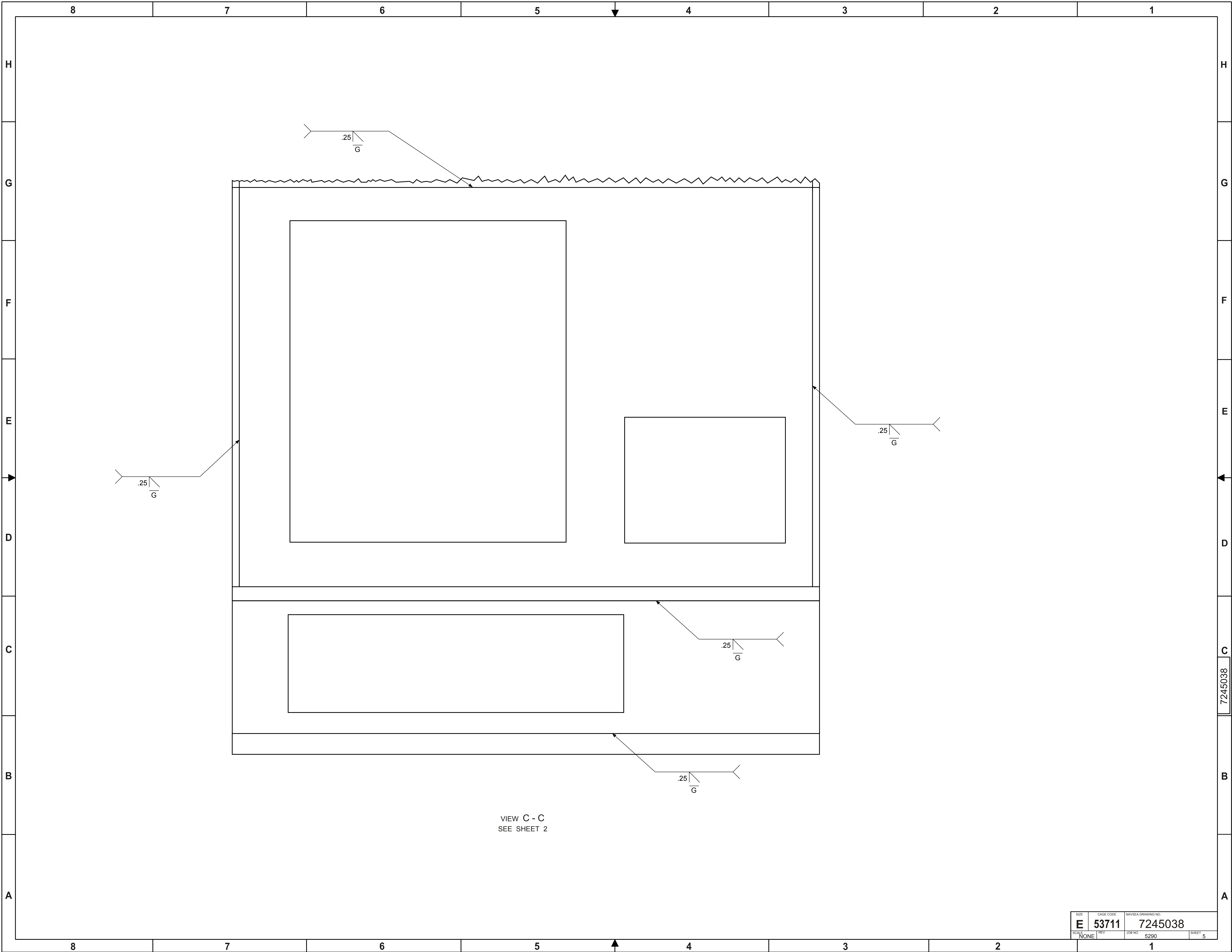
CLASSIFICATION OF CHARACTERISTICS			
CRITICAL	NONE		
MAJOR	NONE		
MINOR	ALL CHRST		
DOD-STD-2101			

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E			
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES			
CANVAS & PLOTTED DRAWING			
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 1/16 2 PLACE DECIMALS ± .03 ANGLES ± 1°			
REMOVE BURRS. BREAK SHARP EDGES .01 - .02			
MATERIAL:			
NEXT ASSY			
APPLICATION			

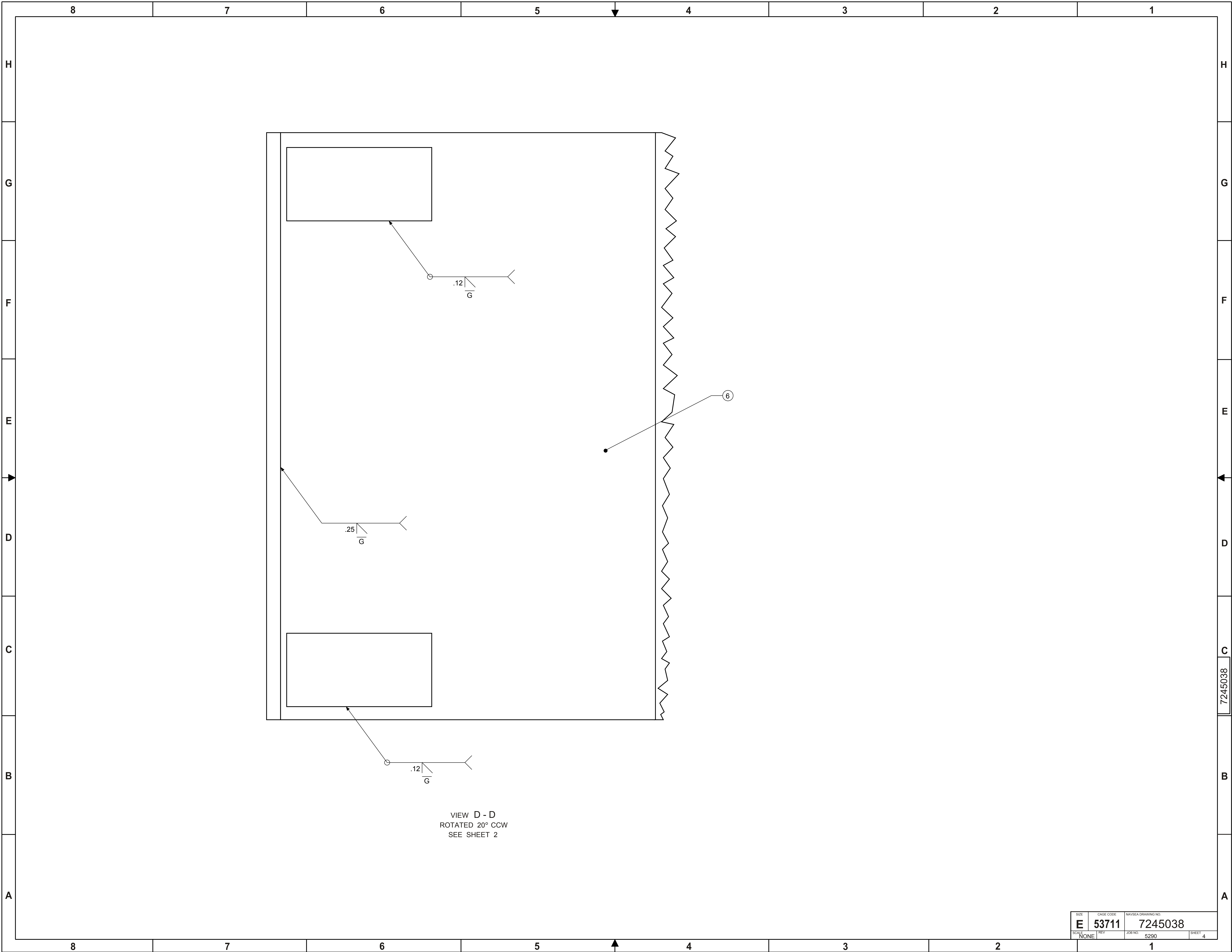
6	2		MS21209-F8-20	INSERT, CRES .500-20, 2.0 DIA LENGTH	NASM 21209
5	4		MS21209-C4-20	INSERT, CRES .250-20, 2.0 DIA LENGTH	NASM 21209
4	25		MS21209-F1-20	INSERT, CRES 10-32, 2.0 DIA LENGTH	NASM 21209
3	50		MS21209-C0820	INSERT, CRES 8-32, 2.0 DIA LENGTH	NASM 21209
2	AR		MIL-C-5541	CHEMICAL COATING, CL3	
1	1		7245038	ENCLOSURE WELDMENT	
ITEM OR FIND NO	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS

PARTS LIST			
NSWC/PHD LOUISVILLE DET 1850 CHARACTER DRIVE LOUISVILLE, KENTUCKY 40244-2881 CAGE CODE 8885		DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340	
APPROVED BY	BY	APPROVED BY	BY
PROJ ENGR		BRANCH HD	
WELD ENGR		SECT HD	
CH OPTSMN	CACI	PROD REV	
DRAWN	CACI	CHECKED	
ACCEPTED BY NAVSEASYSCOM			
20			
APPROVED FOR NAVSEASYSCOM			
20			
SIZE	CAGE CODE	NAVSEA DRAWING NO.	
E	53711	7245045	
SCALE	NONE	JOB NO.	5290
		SHEET 1 OF 6	

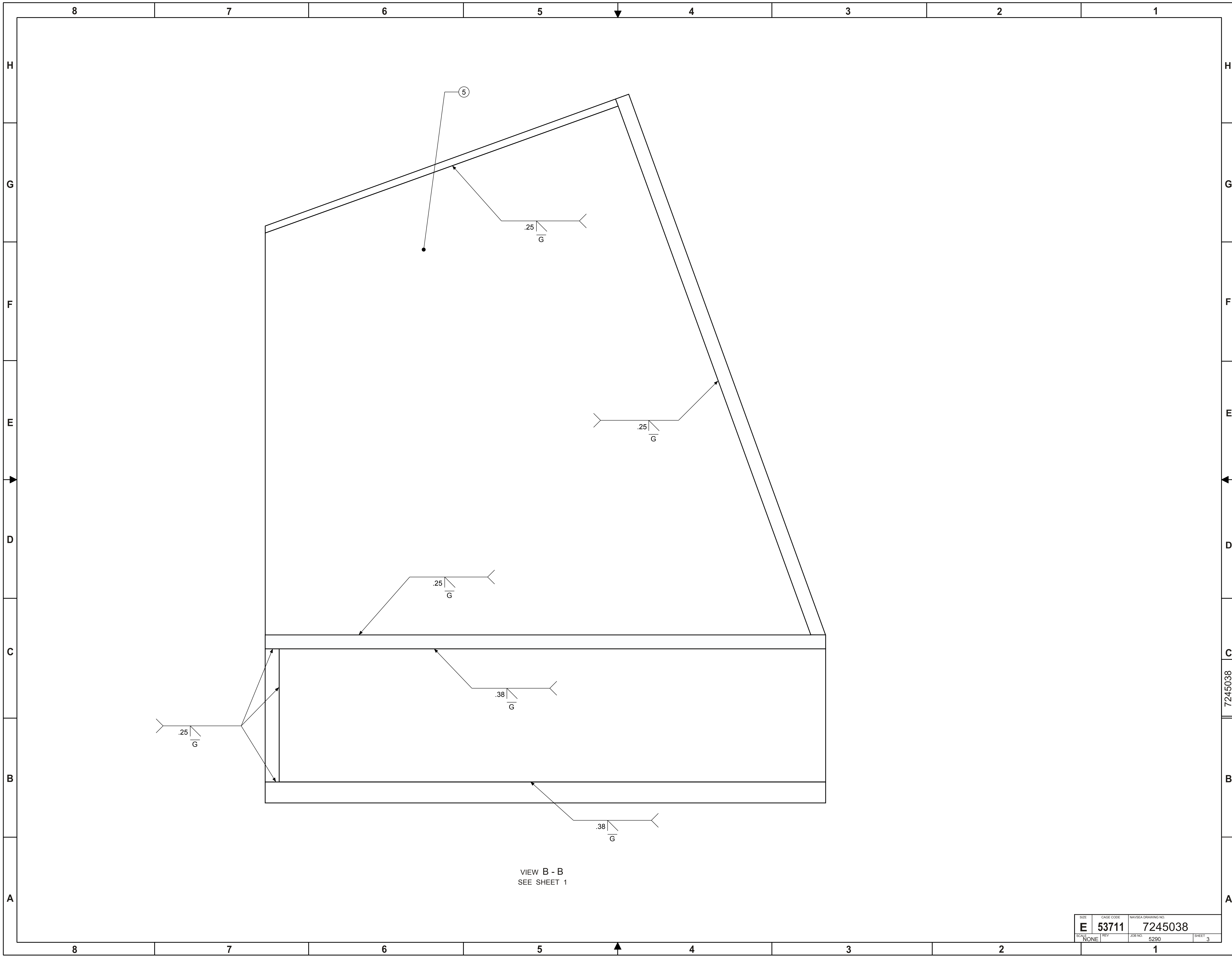
DISTRIBUTION STATEMENT - D	
DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2001-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARDCEN PHD LOU, LOUISVILLE, KY 40214-2681.	

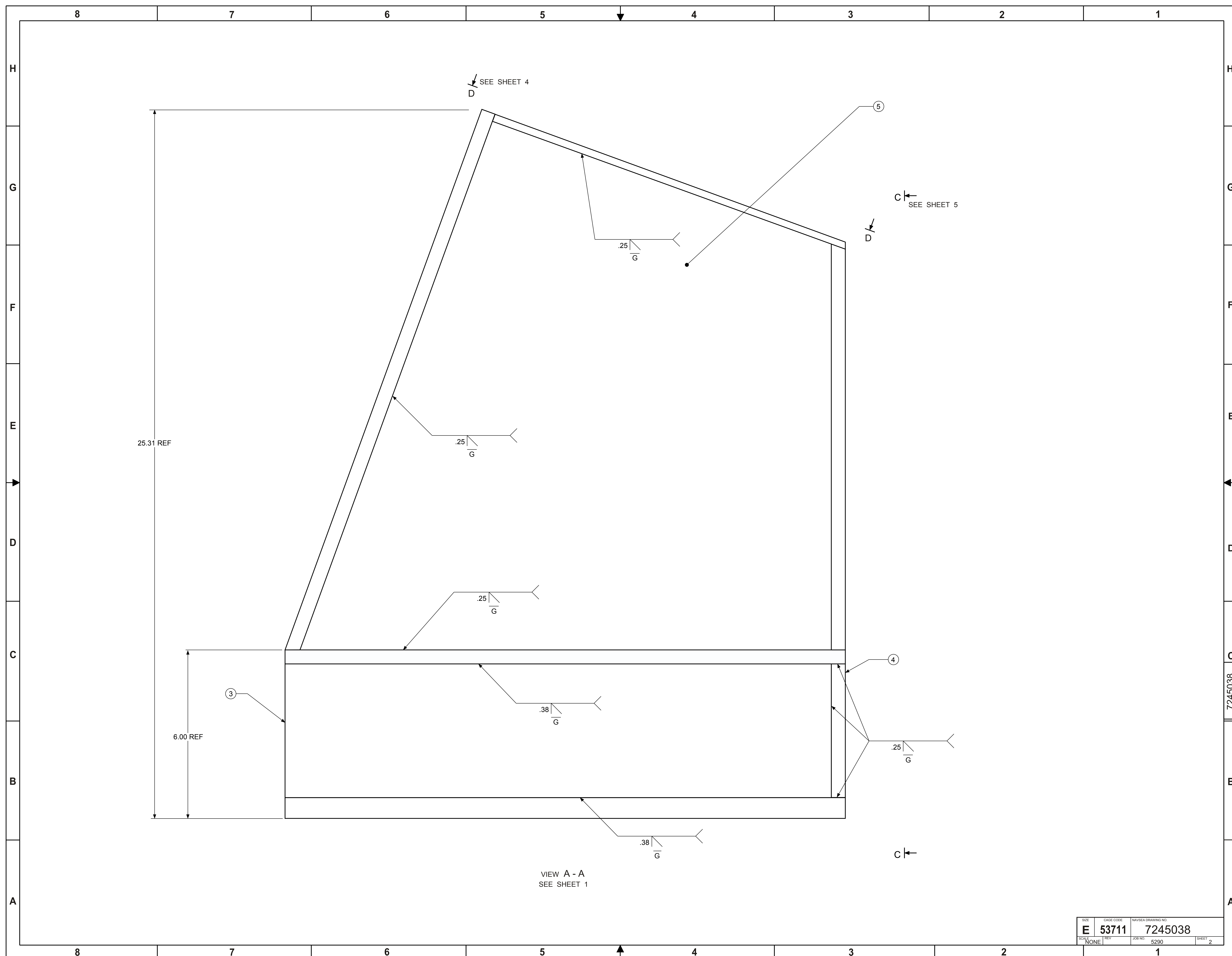


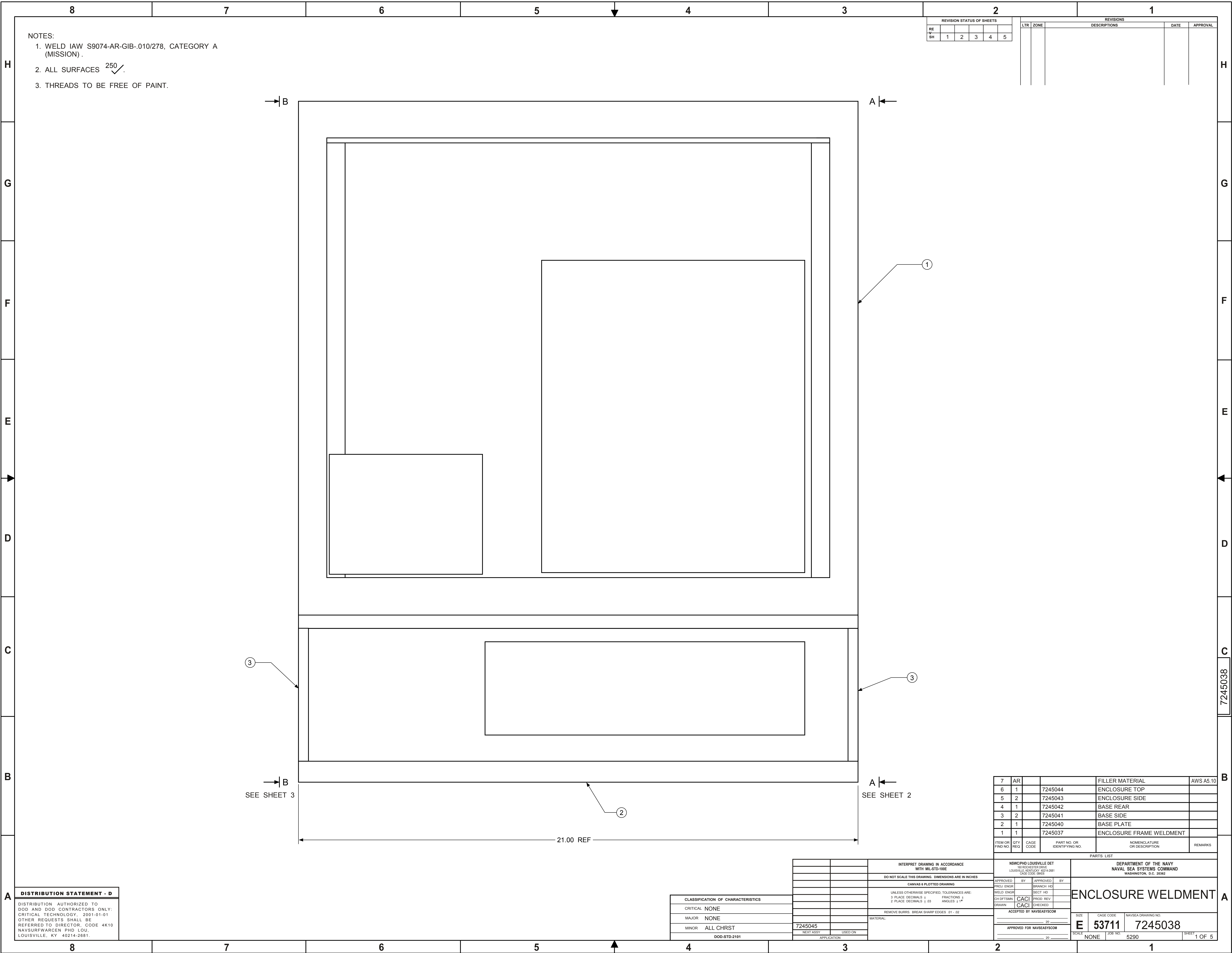
VIEW C - C  
SEE SHEET 2











- NOTES:
1. WELD IAW S9074-AR-GIB-.010/278, CATEGORY A (MISSION).
  2. ALL SURFACES  $250 \sqrt{\text{ }}$ .
  3. THREADS TO BE FREE OF PAINT.

REVISION STATUS OF SHEETS					
REV	1	2	3	4	5
W					
SH					

REVISIONS				
LTR	ZONE	DESCRIPTIONS	DATE	APPROVAL

**DISTRIBUTION STATEMENT - D**

DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2001-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARDCEN PHD LOU, LOUISVILLE, KY 40214-2681.

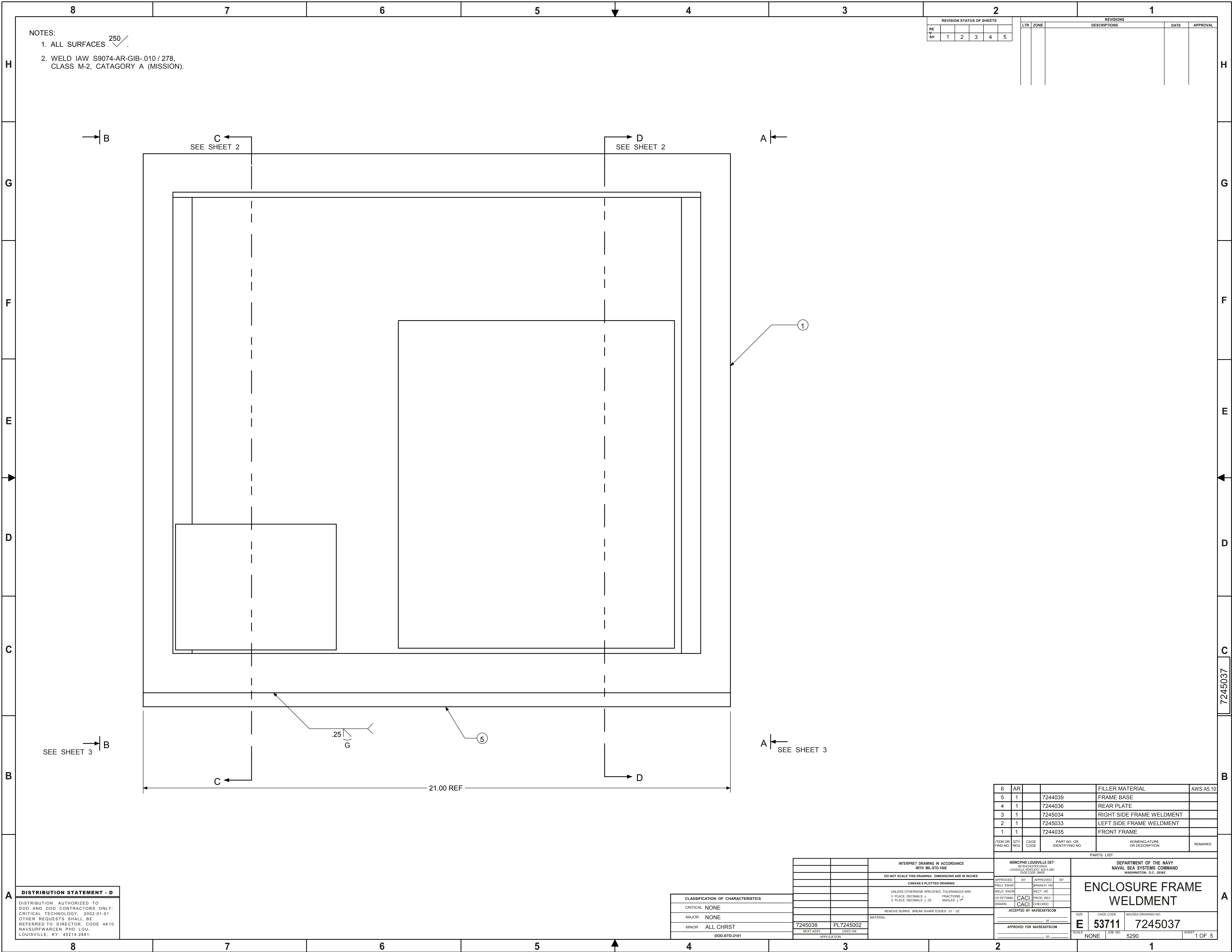
CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

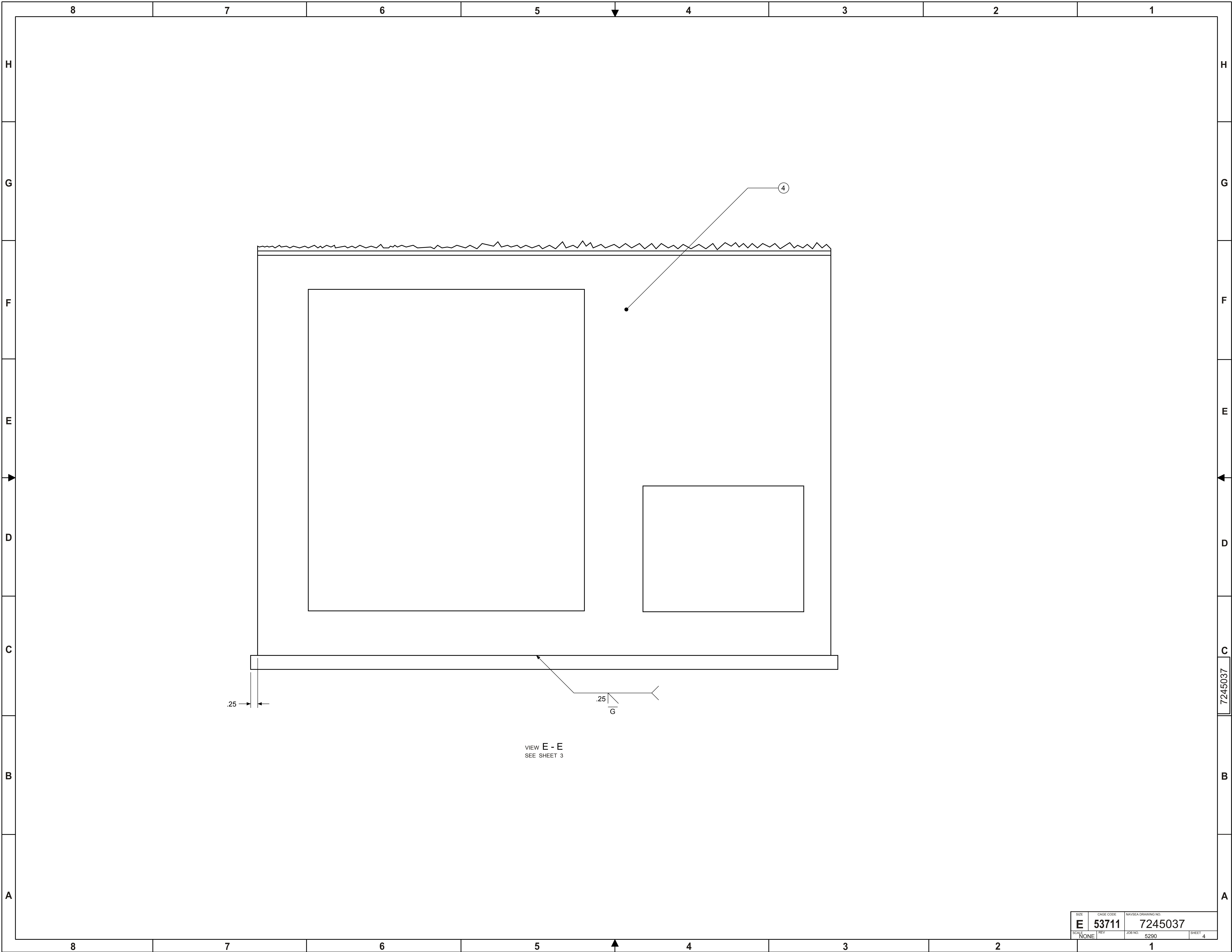
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E	
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES	
CANVAS & PLOTTED DRAWING	
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .003 FRACTIONS ± 1/16 2 PLACE DECIMALS ± .03 ANGLES ± 1°	
REMOVE BURRS. BREAK SHARP EDGES .01 - .02	
MATERIAL:	
NEXT ASSY	
USED ON	
APPLICATION	

NSWCIPHO LOUISVILLE DET 18530 CHARACTER DRIVE LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE 8885	
APPROVED BY	APPROVED BY
PROJ ENGR	BRANCH HD
WELD ENGR	SECT HD
CH OPTSMN	PROJ REV
DRAWN	CACI
ACCEPTED BY NAVSEASYSCOM	
APPROVED FOR NAVSEASYSCOM	

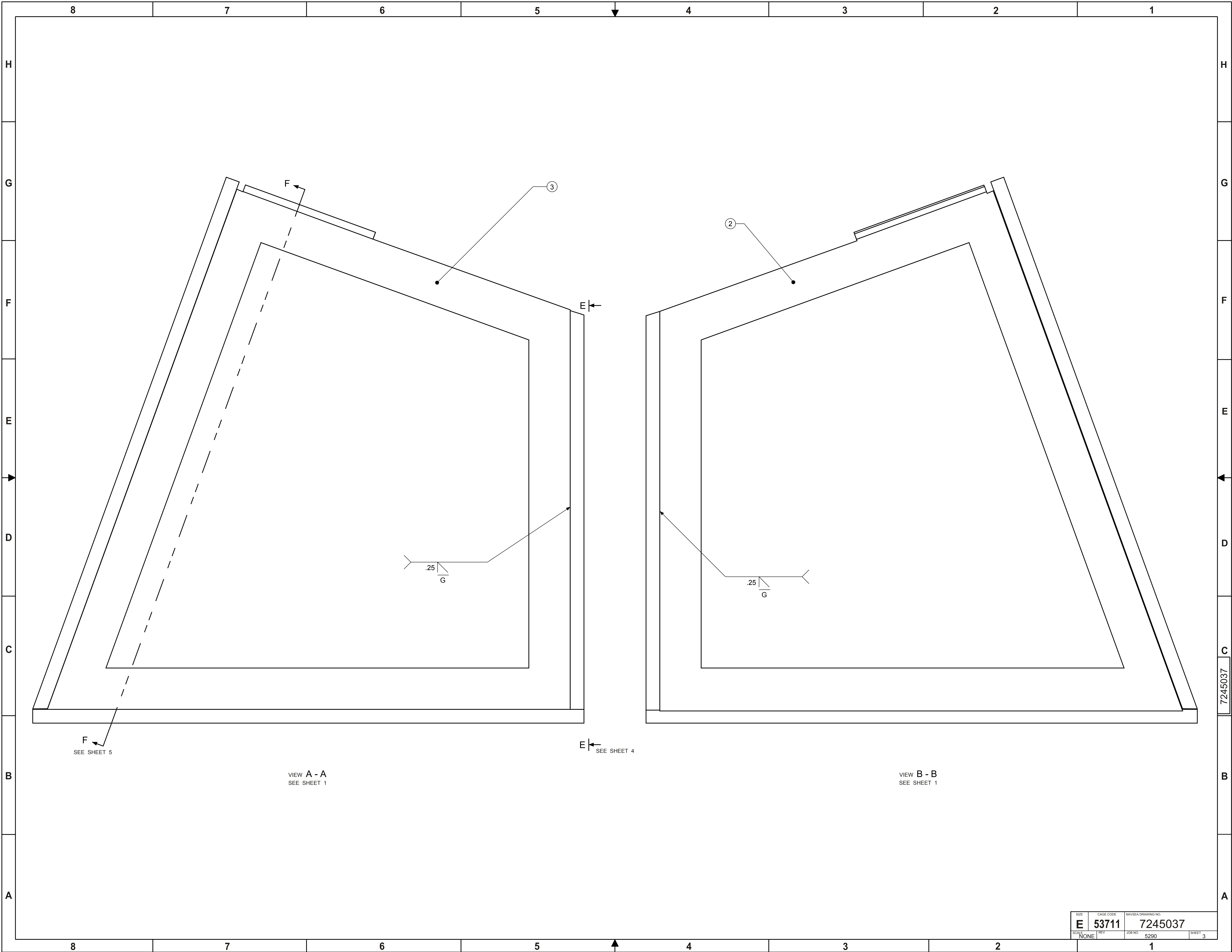
7	AR			FILLER MATERIAL	AWS A5.10
6	1		7245044	ENCLOSURE TOP	
5	2		7245043	ENCLOSURE SIDE	
4	1		7245042	BASE REAR	
3	2		7245041	BASE SIDE	
2	1		7245040	BASE PLATE	
1	1		7245037	ENCLOSURE FRAME WELDMENT	
ITEM OR FIND NO	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS

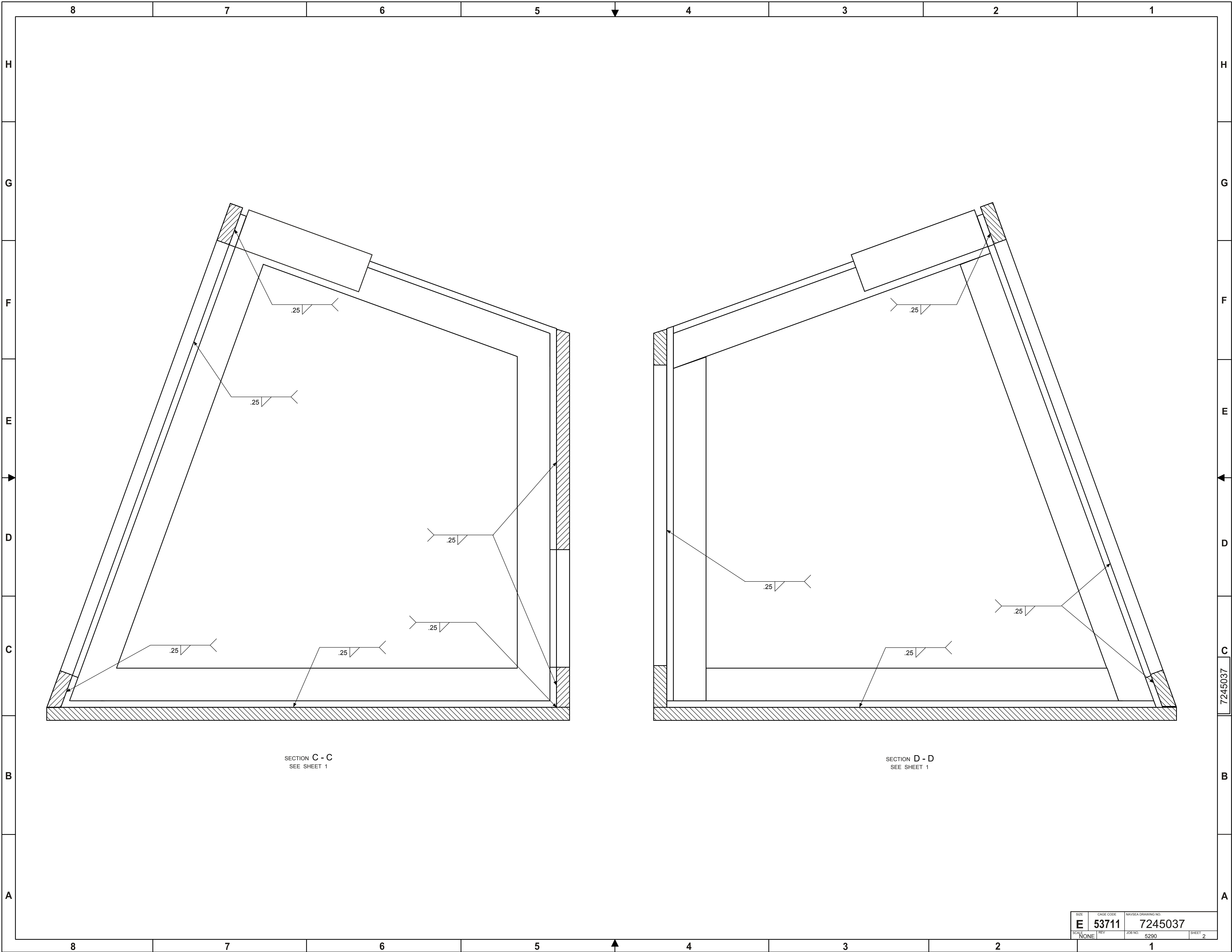
PARTS LIST		
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340		
ENCLOSURE WELDMENT		
SIZE	CAGE CODE	NAVSEA DRAWING NO.
E	53711	7245038
SCALE	JOB NO.	SHEET 1 OF 5
NONE	5290	

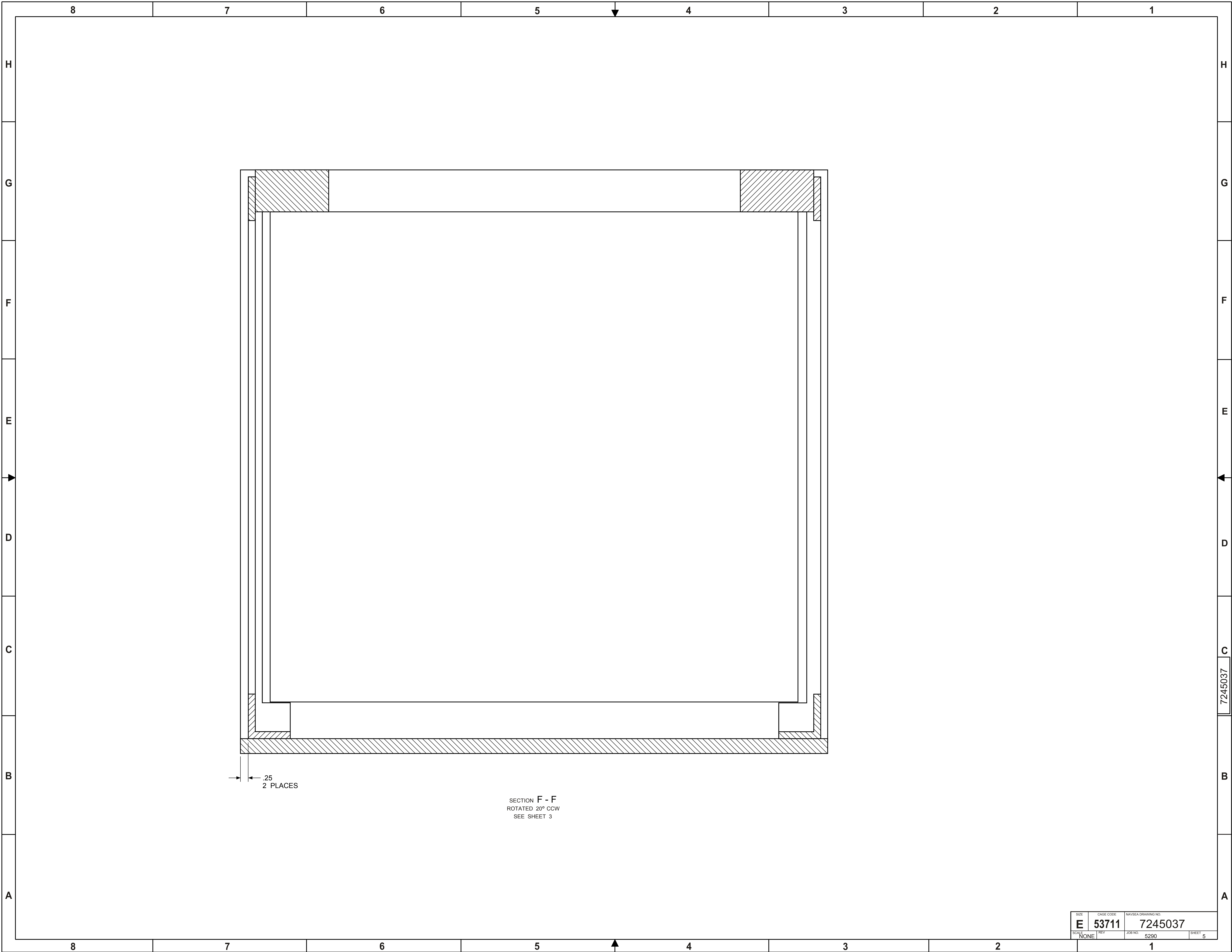










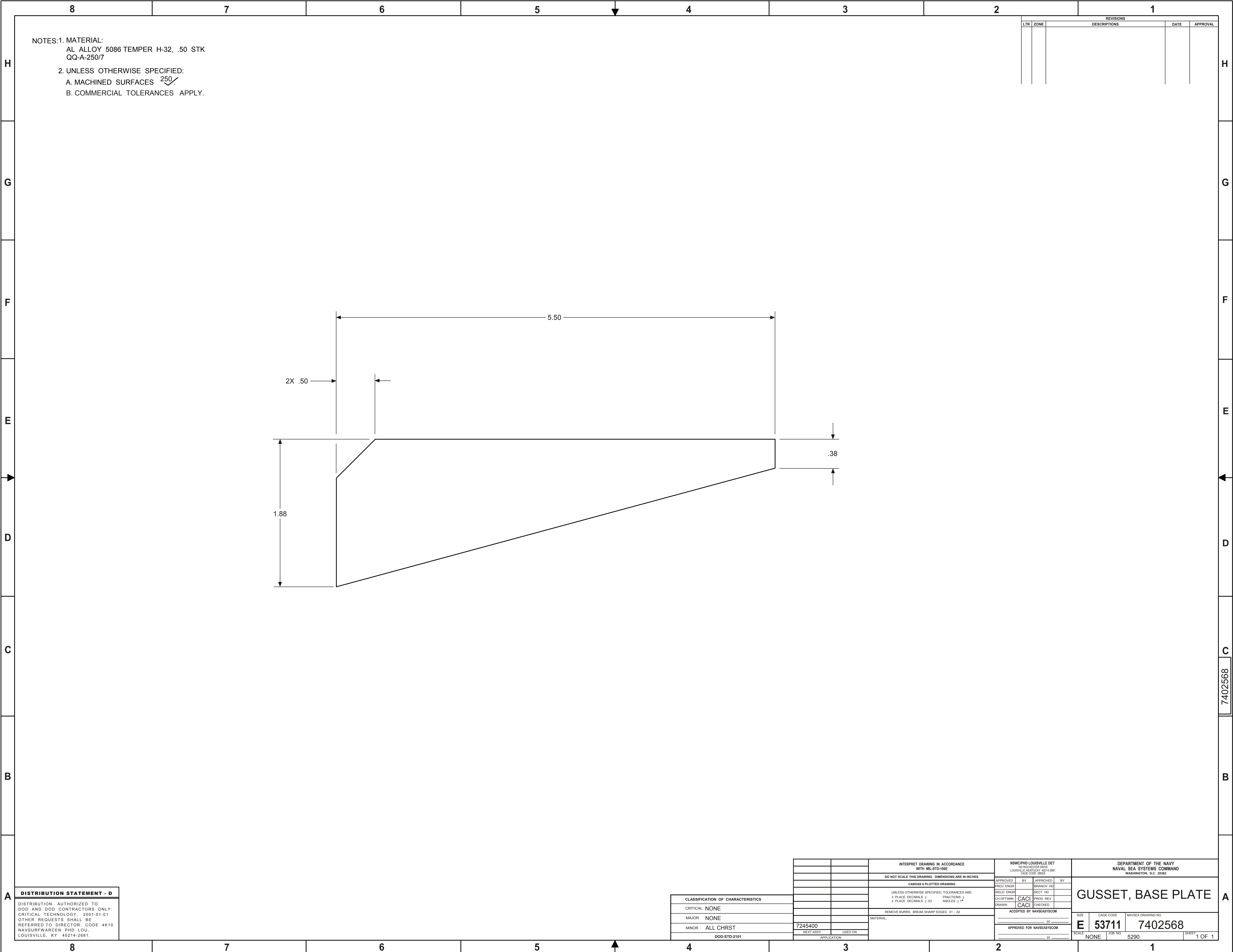


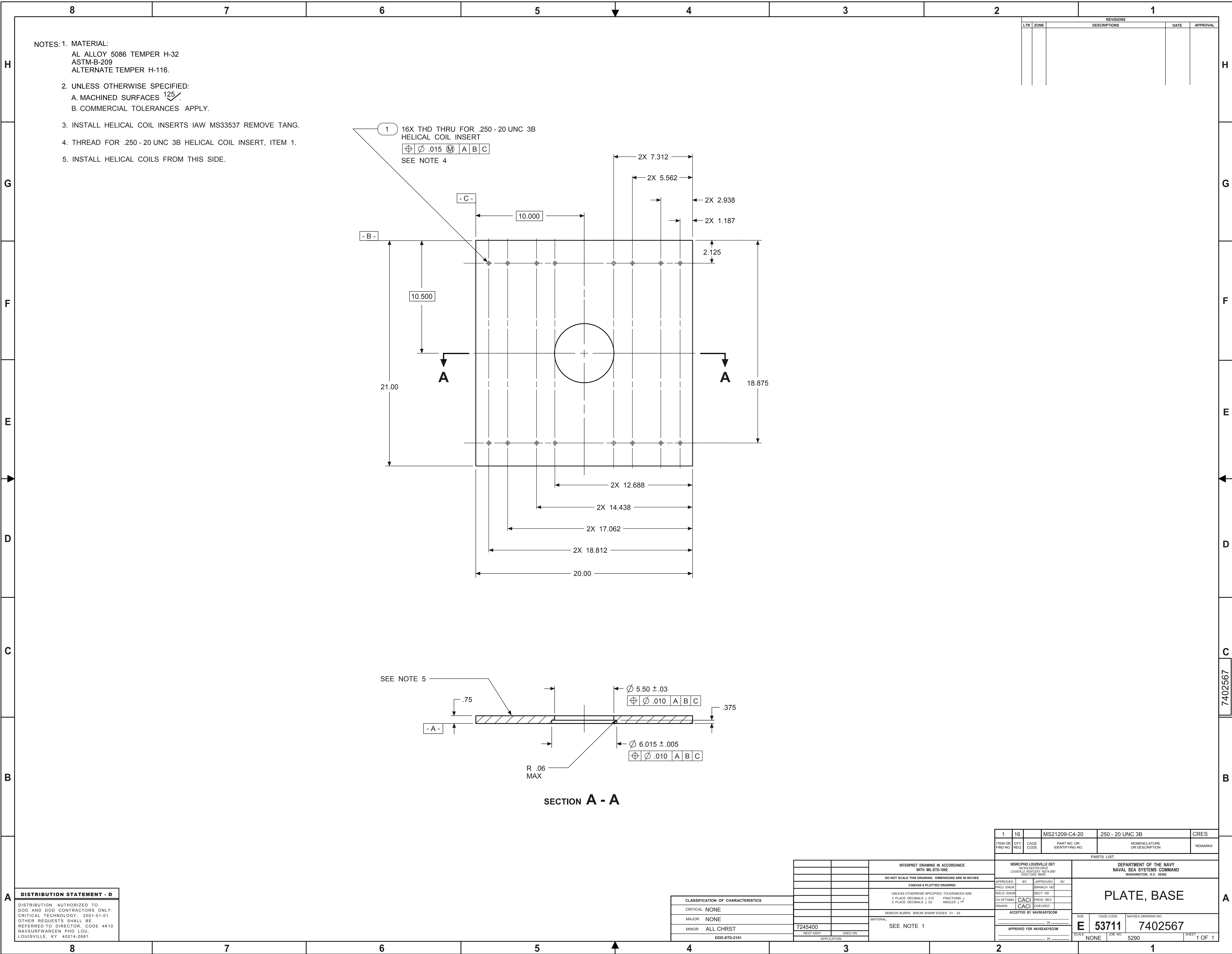
SECTION F - F  
ROTATED 20° CCW  
SEE SHEET 3

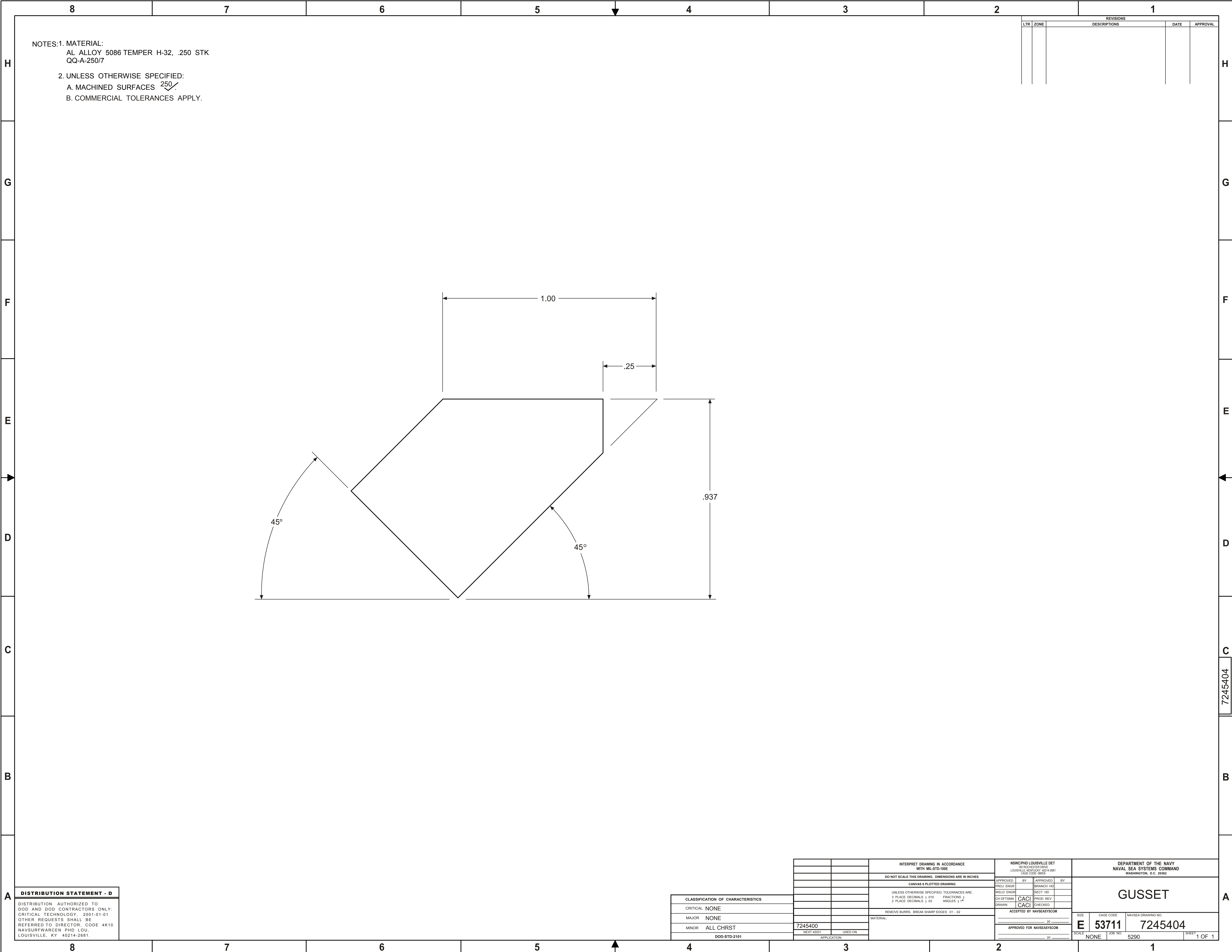
→ .25  
2 PLACES

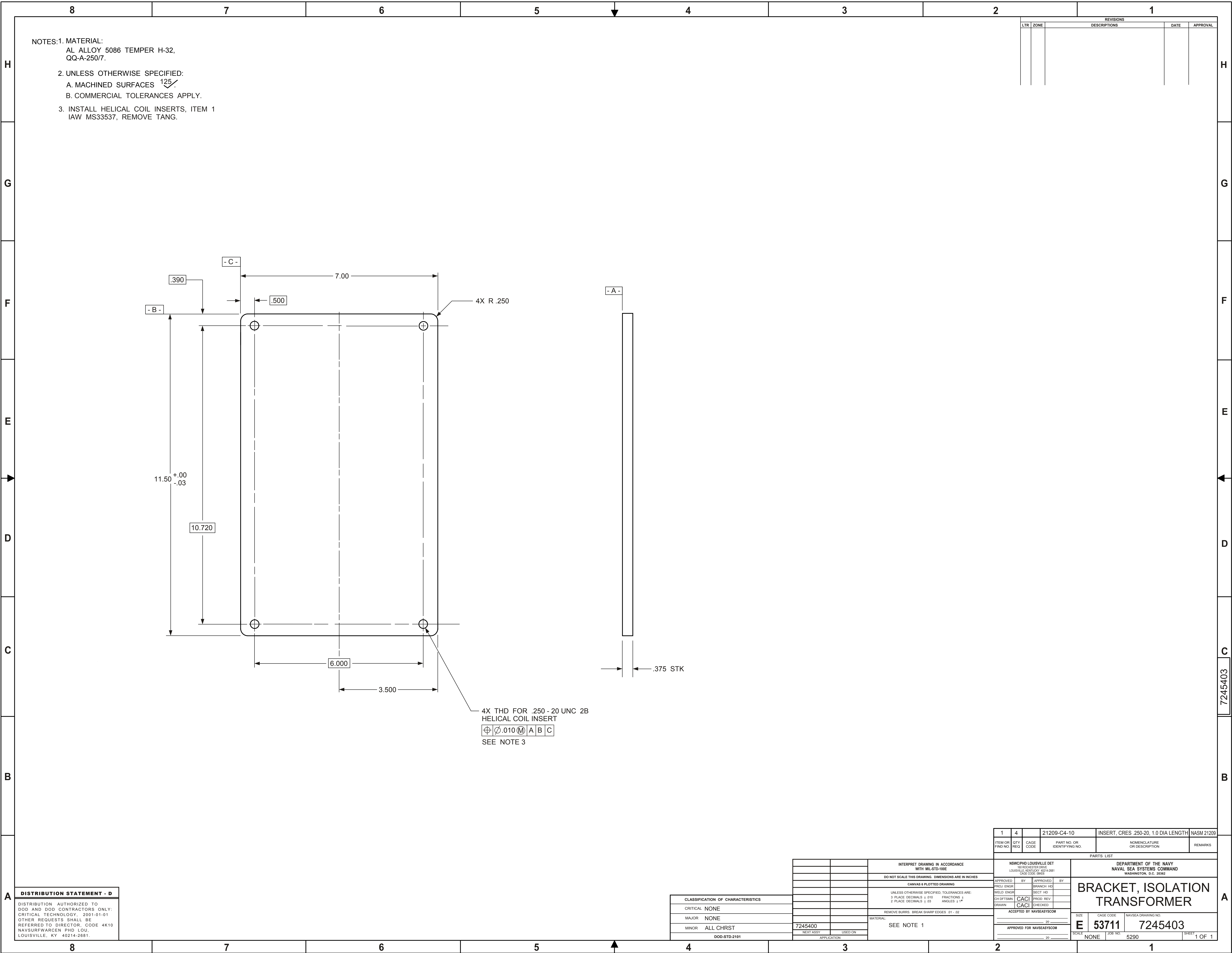
SIZE	CAGE CODE	NAVSEA DRAWING NO.
E	53711	7245037
SCALE	REV	JOB NO.
NONE		5290
		SHEET
		5





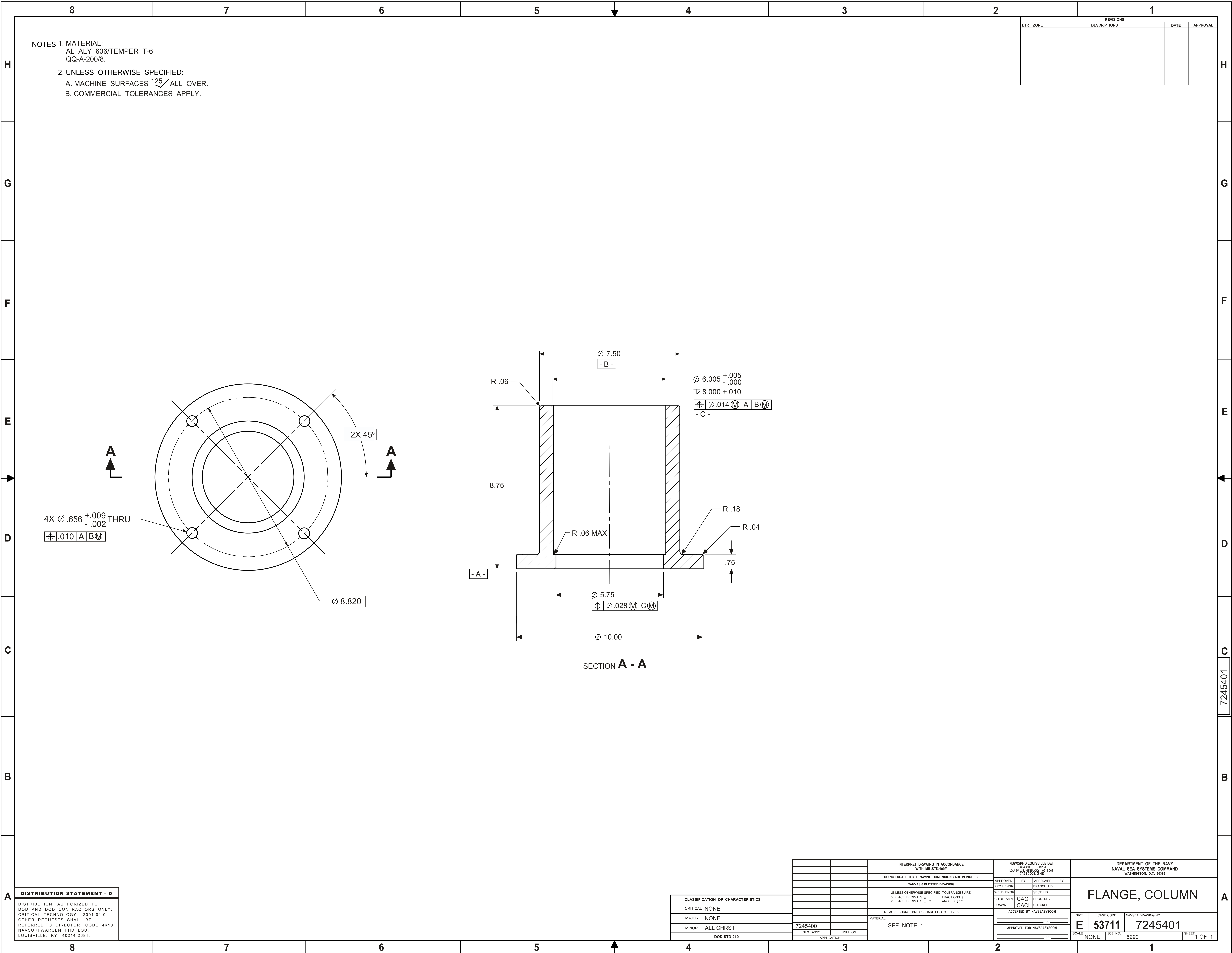


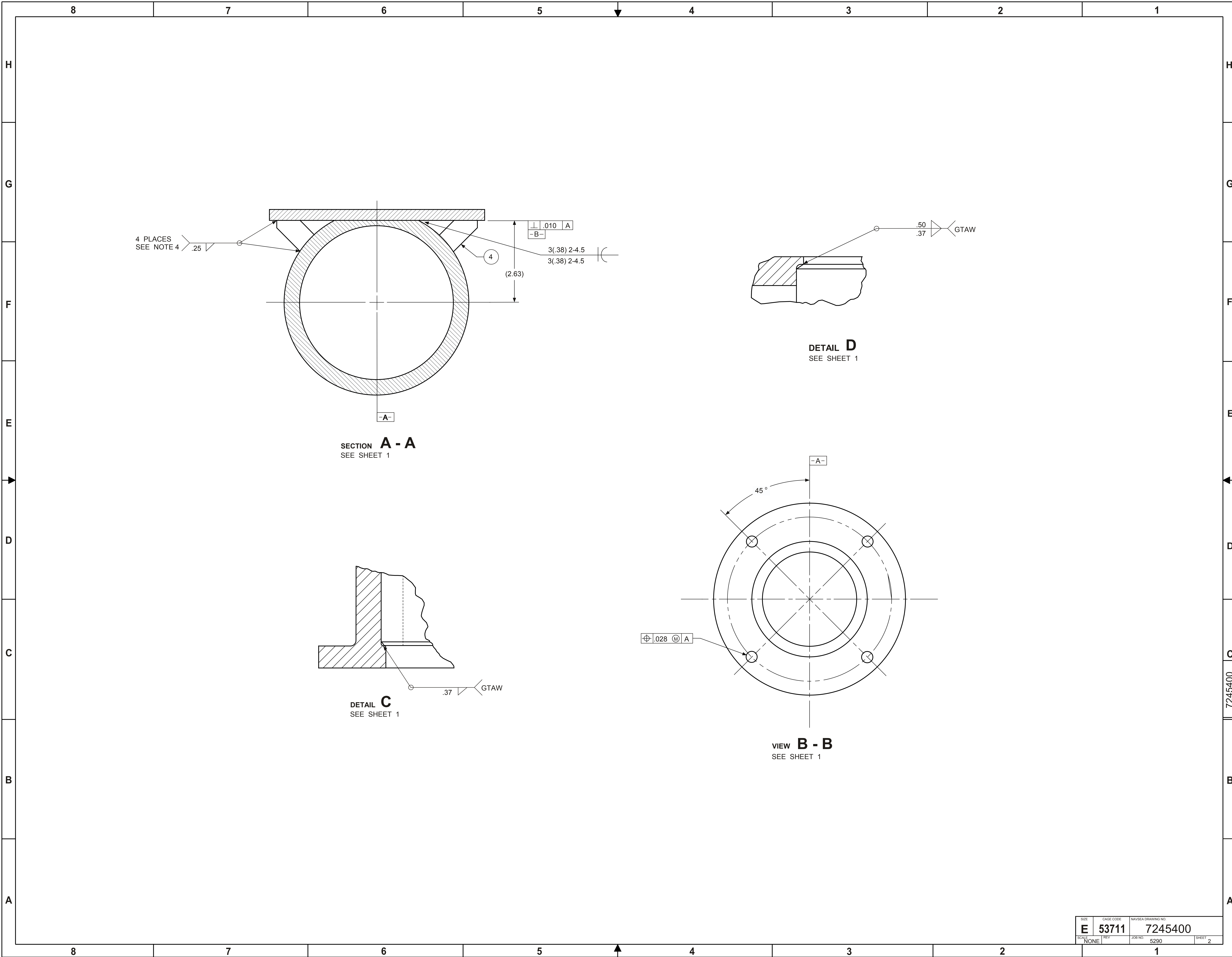




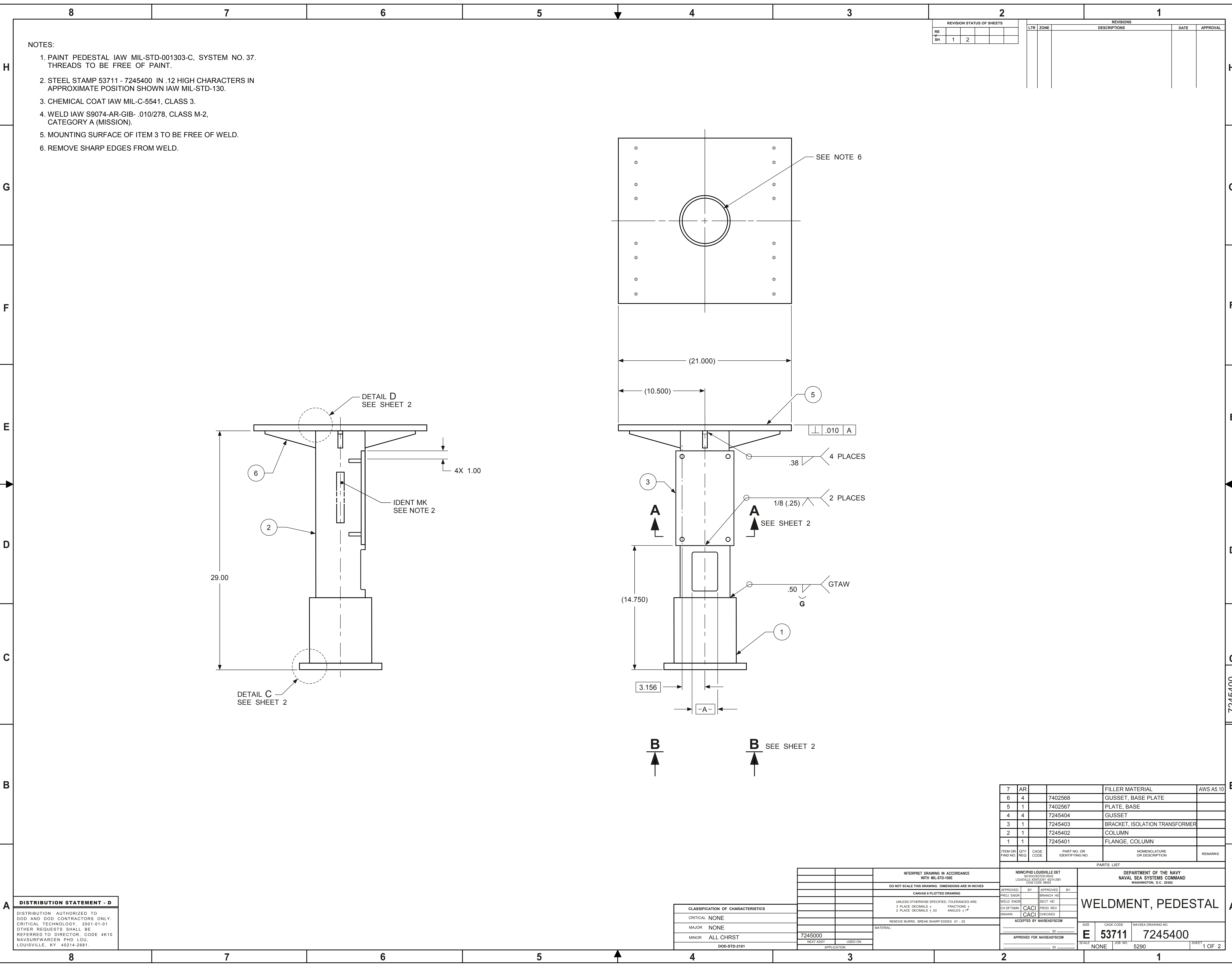




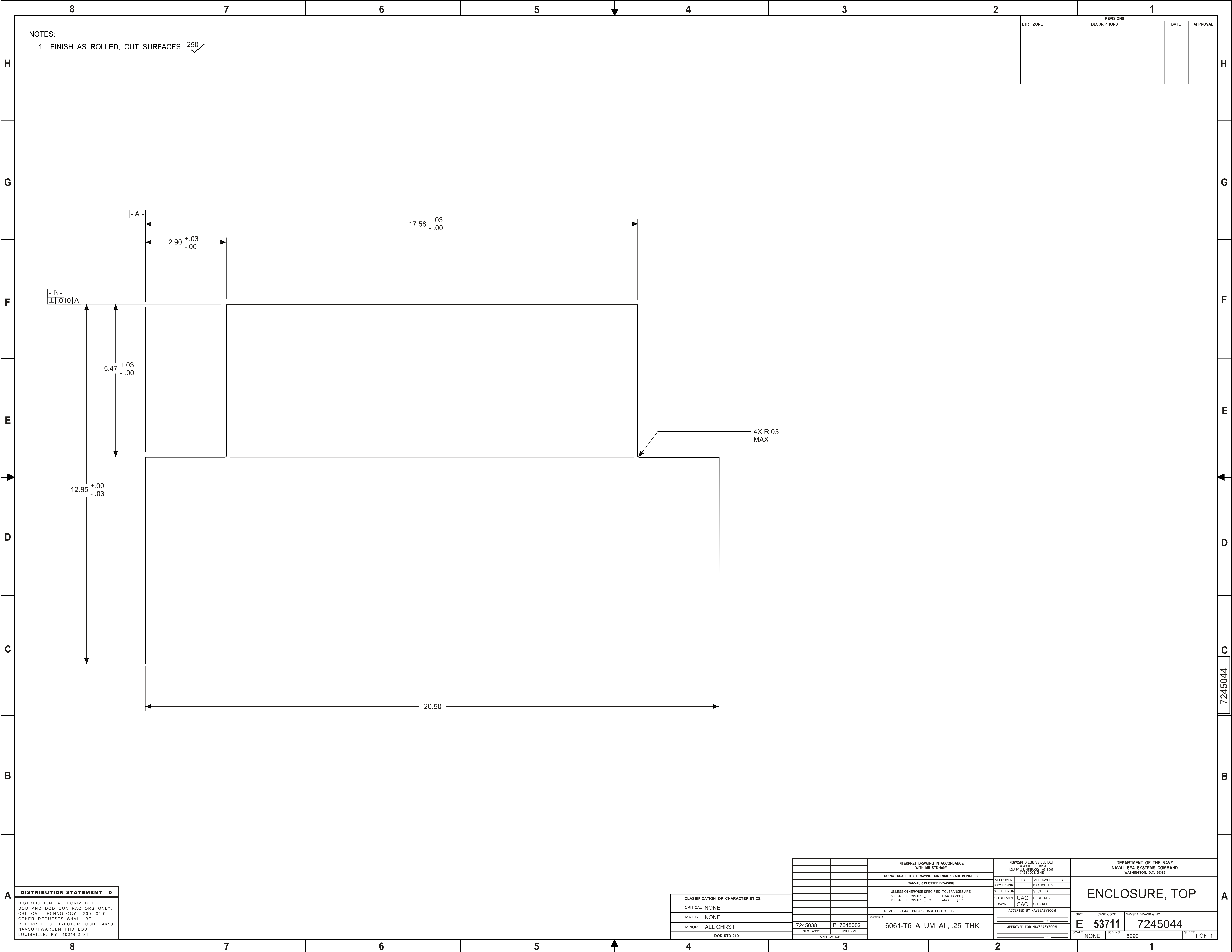






[illegible][illegible][illegible][illegible]





NOTES:  
1. FINISH AS ROLLED, CUT SURFACES  $\sqrt{250}$ .

		REVISIONS				
LTR	ZONE	DESCRIPTIONS			DATE	APPROVAL

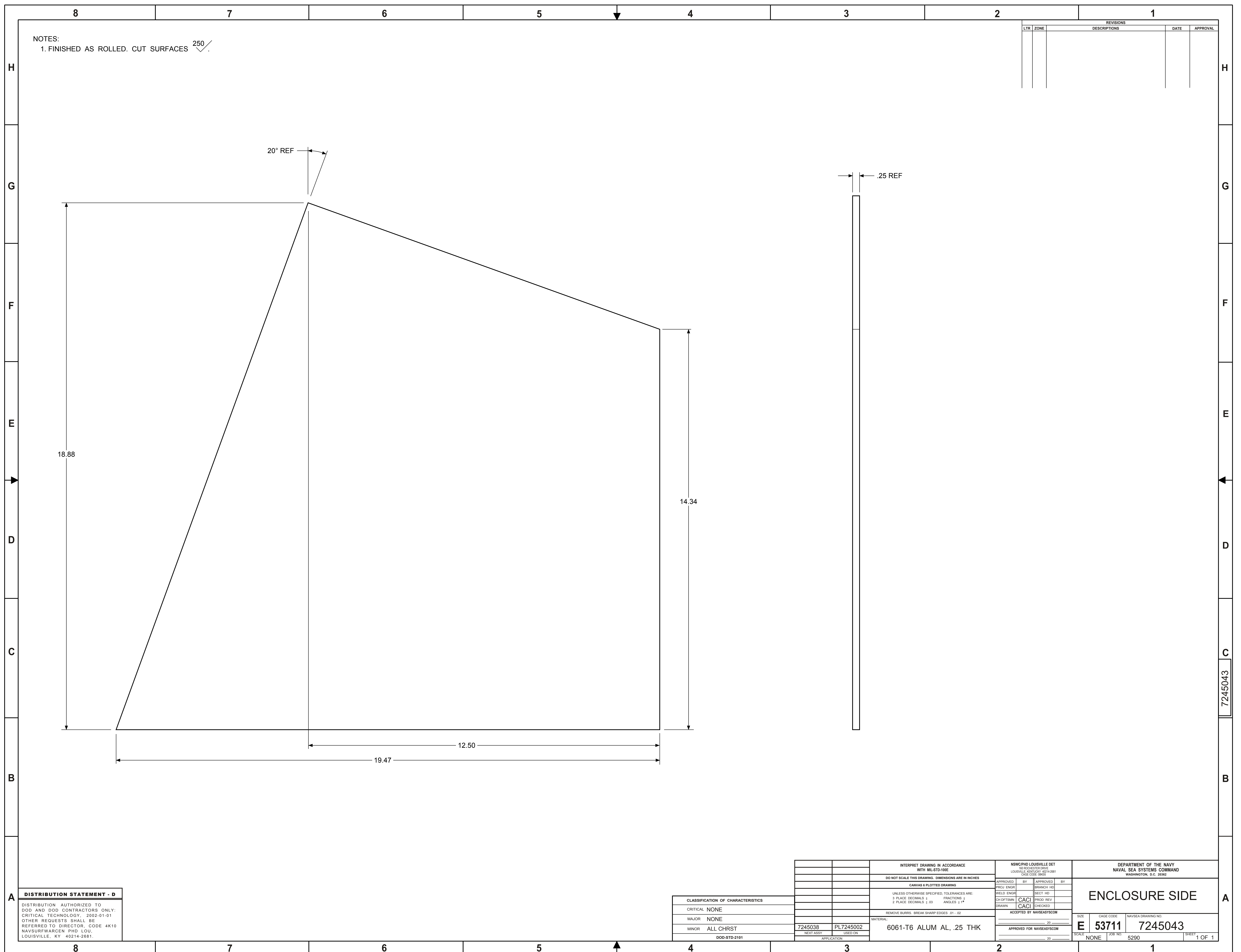
4X R.03  
MAX

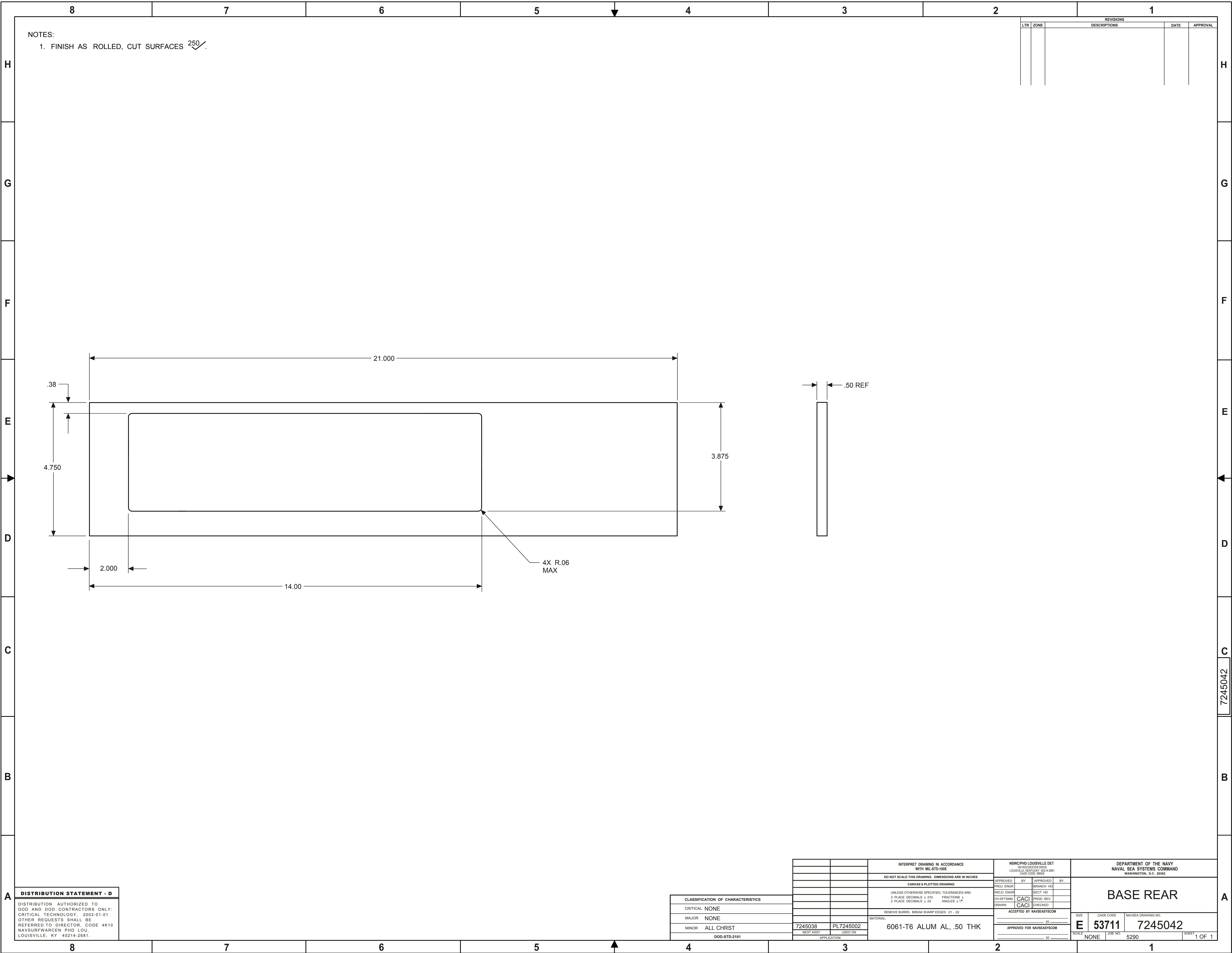
CLASSIFICATION OF CHARACTERISTICS		APPLICATION	
CRITICAL	NONE		
MAJOR	NONE		
MINOR	ALL CHRST	7245038	PL7245002
DOD-STD-2161		NEXT ASSY	USED ON

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E	
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES	
CANVAS & PLOTTED DRAWING	
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .03 FRACTIONS ± 1/16 2 PLACE DECIMALS ± .03 ANGLES ± 1°	
REMOVE BURRS. BREAK SHARP EDGES .01 - .02	
MATERIAL: 6061-T6 ALUM AL, .25 THK	

NSWCIPHO LOUISVILLE DET 18520 CHARACTER DRIVE LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE 5885	
APPROVED BY	APPROVED BY
PROJ. ENGR	BRANCH HD
WELD. ENGR	SECT HD
CH. OFTSMN	PROG. REV
DRAWN	CACI
ACCEPTED BY NAVSEASYSCOM	
APPROVED FOR NAVSEASYSCOM	

DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340	
ENCLOSURE, TOP	
SIZE	CAGE CODE
E 53711	7245044
SCALE	JOB NO.
NONE	5290
SHEET 1 OF 1	





87654321

NOTES:  
1. FINISHED AS ROLLED. CUT SURFACES  $\sqrt{250}$ .

19.50

4.75

.38

DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2001-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARCON PHD LOU, LOUISVILLE, KY 40214-2681.

CLASSIFICATION OF CHARACTERISTICS

CRITICAL NONE

MAJOR NONE

MINOR ALL CHRST

DOD-STD-2101

7245038

NEXT ASSY

APPLICATION

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E

DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES

CANVAS & PLOTTED DRAWING

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:  
3 PLACE DECIMALS ± .03 FRACTIONS ± 1/16 ANGLES ± 1°

REMOVE BURRS. BREAK SHARP EDGES .01 - .02

6061-T6 ALUM ALLOY

NSWCIPHO LOUISVILLE DET  
18530 CROFTER DRIVE  
LOUISVILLE, KENTUCKY 40214-2681  
CAGE CODE 0805

APPROVED BY

PROJ ENGR

WELD ENGR

CH OPTSMN

DRAWN

CACI

ACCEPTED BY NAVSEASYSCOM

20

APPROVED FOR NAVSEASYSCOM

20

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND  
WASHINGTON, D.C. 20340

BASE SIDE

SIZE

E

CAGE CODE

53711

NAVSEA DRAWING NO.

7245041

SCALE

NONE

JOB NO.

5290

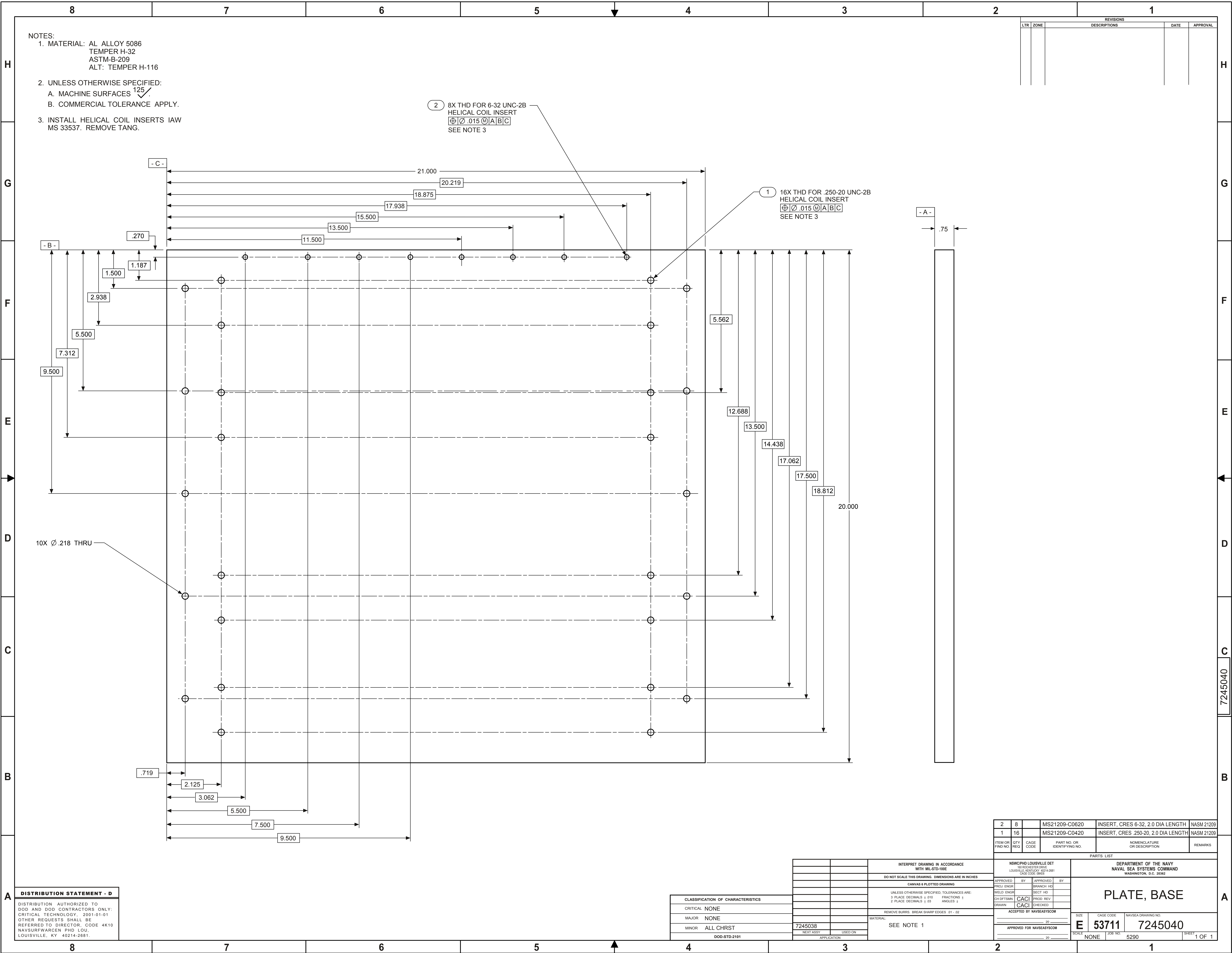
SHEET

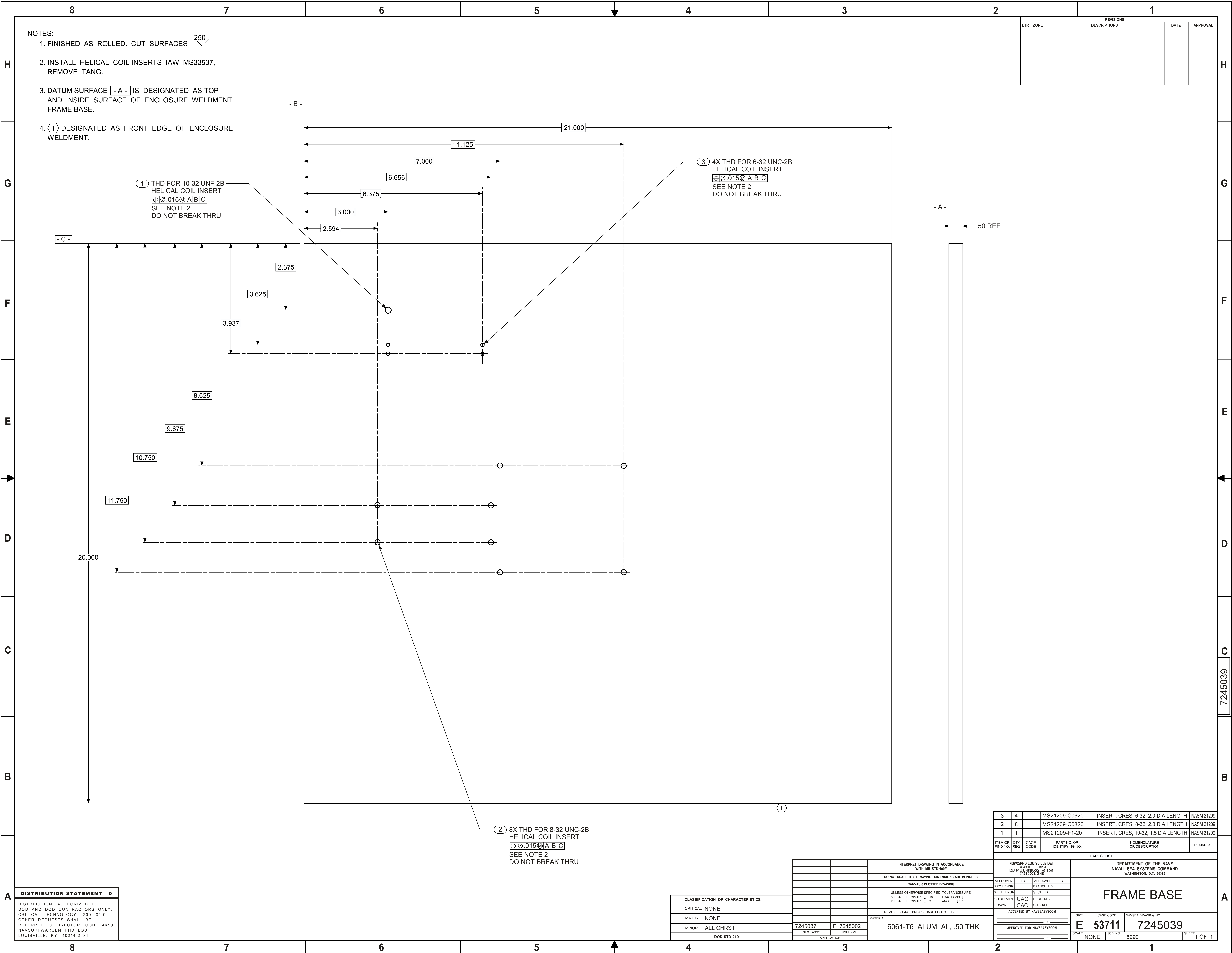
1 OF 1

87654321

87654321







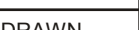





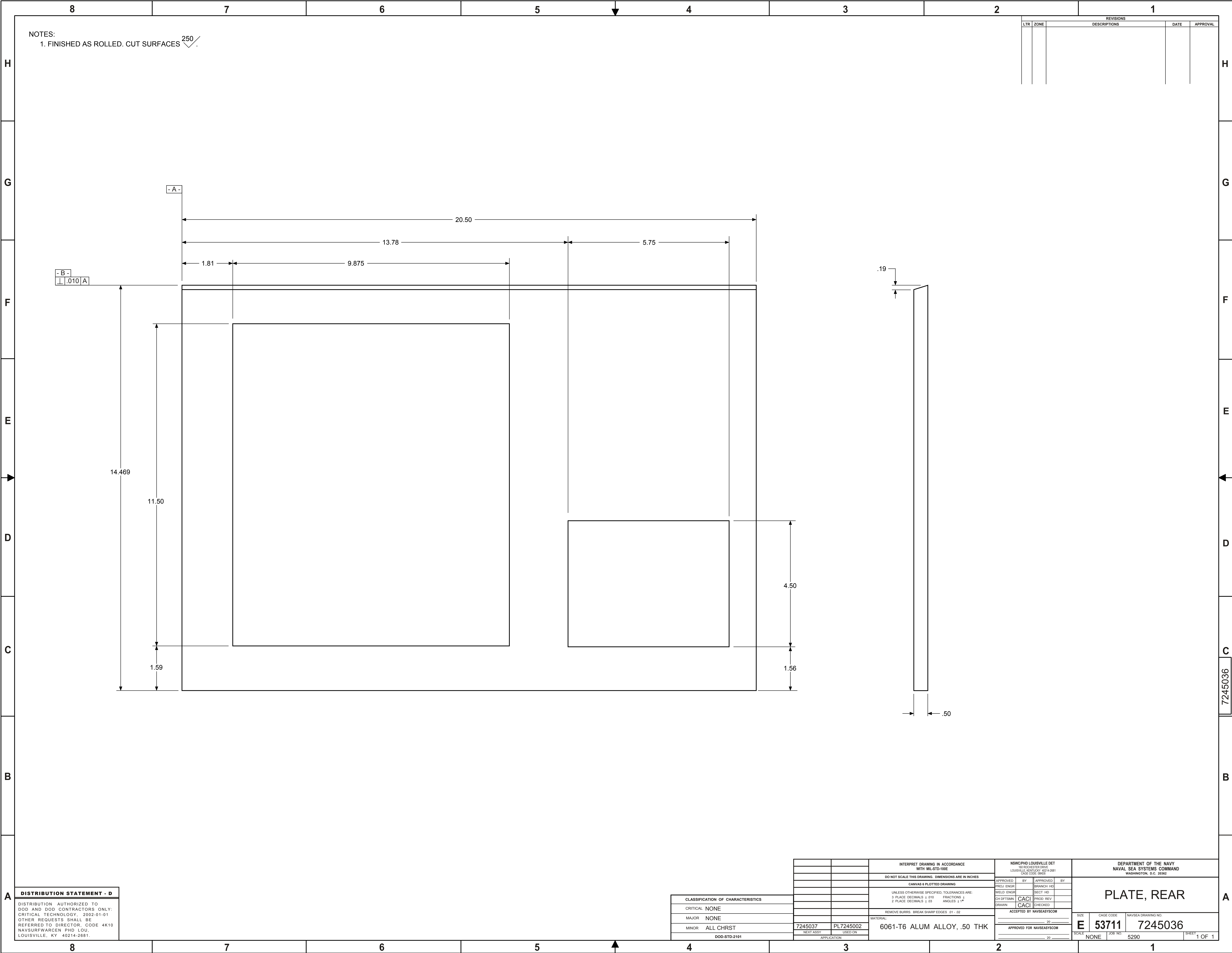
LTR		REVISIONS		DATE	APPROVAL
		DESCRIPTIONS			

CLASSIFICATION OF CHARACTERISTICS		APPLICATION	
CRITICAL	NONE		
MAJOR	NONE		
MINOR	ALL CHRST		
DOD-STD-2101			

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E			
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES			
CANVAS & PLOTTED DRAWING			
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 1/16 2 PLACE DECIMALS ± .03 ANGLES ± 1°			
REMOVE BURRS. BREAK SHARP EDGES .01 - .02			
MATERIAL: 6061-T6 ALUM AL, .50 THK			

3	4	MS21209-C0620		INSERT, CRES, 6-32, 2.0 DIA LENGTH	NASM 21209
2	8	MS21209-C0820		INSERT, CRES, 8-32, 2.0 DIA LENGTH	NASM 21209
1	1	MS21209-F1-20		INSERT, CRES, 10-32, 1.5 DIA LENGTH	NASM 21209
ITEM OR FIND NO	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
PARTS LIST					
NSWCIPHO LOUISVILLE DET 18520 CASTER DRIVE LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE: 8885			DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340		
APPROVED BY:  WELD ENGR:  CH OPTSMN:  DRAWN: 			ACCEPTED BY NAVSEASYSCOM 		
APPROVED FOR NAVSEASYSCOM 			SIZE: <b>E</b> CAGE CODE: <b>53711</b> NAVSEA DRAWING NO.: <b>7245039</b>		
SCALE: NONE			JOB NO.: 5290		
			SHEET: 1 OF 1		

DISTRIBUTION STATEMENT - D	
DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: CRITICAL TECHNOLOGY, 2002-01-01 OTHER REQUESTS SHALL BE REFERRED TO DIRECTOR, CODE 4K10 NAVSURFWARCON PHD LOU, LOUISVILLE, KY 40214-2681.	



NOTES:  
1. FINISHED AS ROLLED. CUT SURFACES  $\sqrt{250}$ .

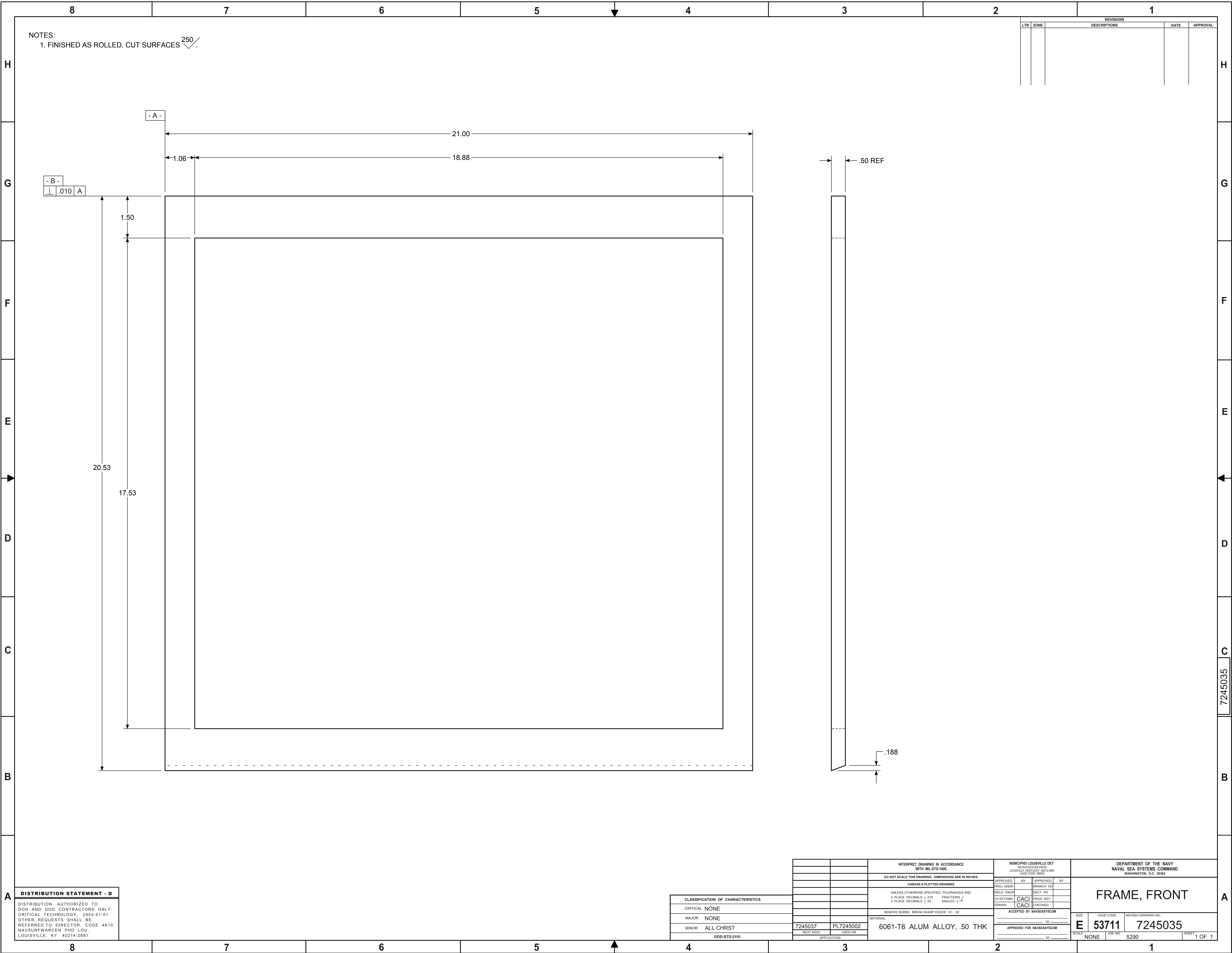
		REVISIONS				
LTR	ZONE	DESCRIPTIONS			DATE	APPROVAL

CLASSIFICATION OF CHARACTERISTICS		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E		NSWC/PHD LOUISVILLE DET LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE 0885		DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340	
CRITICAL		NONE		UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 1° 2 PLACE DECIMALS ± .03 ANGLES ± 1°		APPROVED BY NAVSEASYSCOM	
MAJOR		NONE		REMOVE BURRS. BREAK SHARP EDGES .01 - .02		APPROVED FOR NAVSEASYSCOM	
MINOR		ALL CHRST		MATERIAL: 6061-T6 ALUM ALLOY, .50 THK		APPROVED FOR NAVSEASYSCOM	
DOD-STD-2101		NEXT ASSY		USED ON		APPROVED FOR NAVSEASYSCOM	
						ACCEPTED BY NAVSEASYSCOM	
						APPROVED FOR NAVSEASYSCOM	
						APPROVED FOR NAVSEASYSCOM	
						APPROVED FOR NAVSEASYSCOM	

**DISTRIBUTION STATEMENT - D**  
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 2002-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARCON PHD LOU,  
LOUISVILLE, KY 40214-2681.

PLATE, REAR

SIZE	CAGE CODE	NAVSEA DRAWING NO.
E	53711	7245036
SCALE	NONE	JOB NO. 5290
		SHEET 1 OF 1



NOTES:  
1. FINISHED AS ROLLED. CUT SURFACES 250 ✓

LTR		ZONE	REVISIONS		DATE	APPROVAL
			DESCRIPTIONS			

- B -  
└┐ .010 A

- A -

**DISTRIBUTION STATEMENT - D**  
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 2002-01-01  
OTHER REQUESTS SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARCON PHD LOU,  
LOUISVILLE, KY 40214-2681.

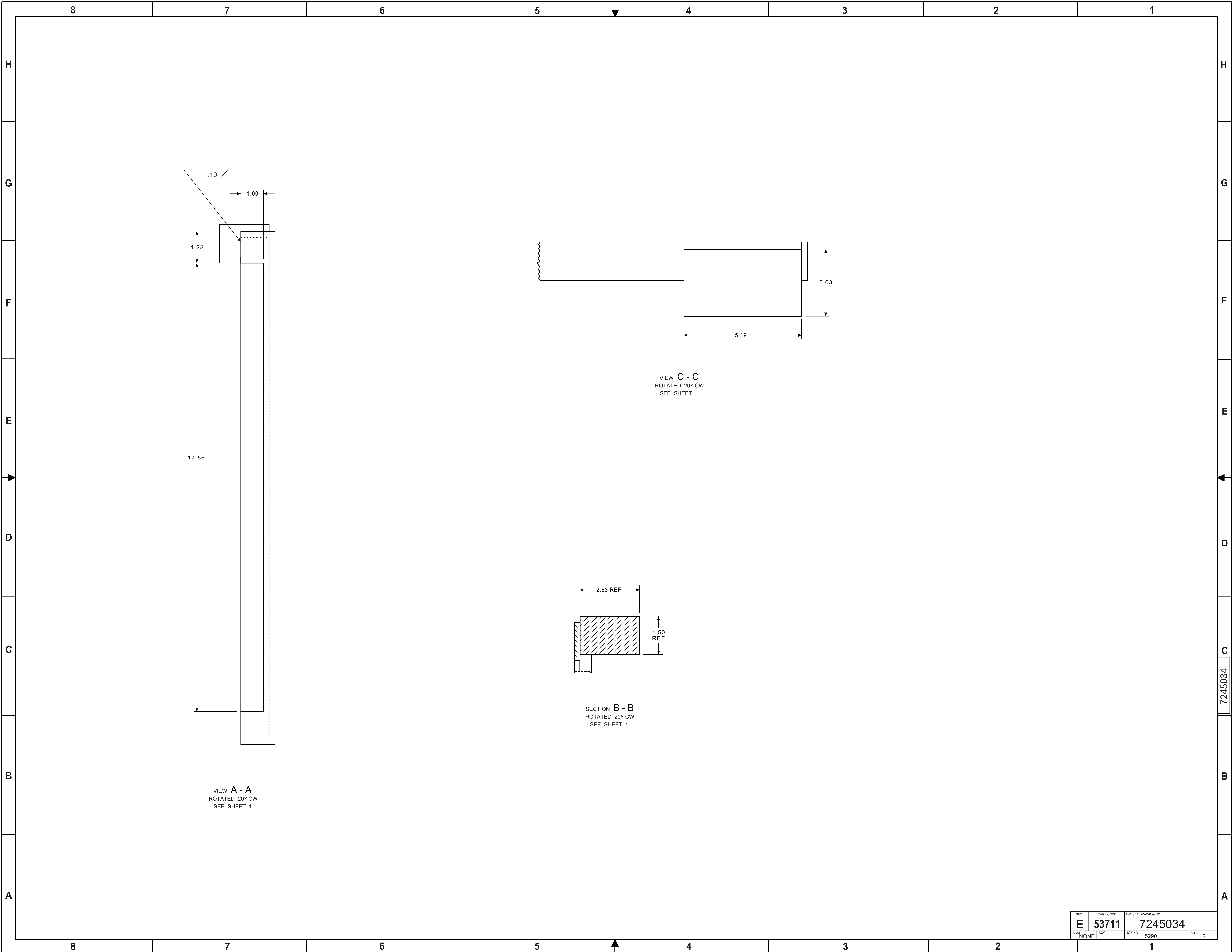
CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

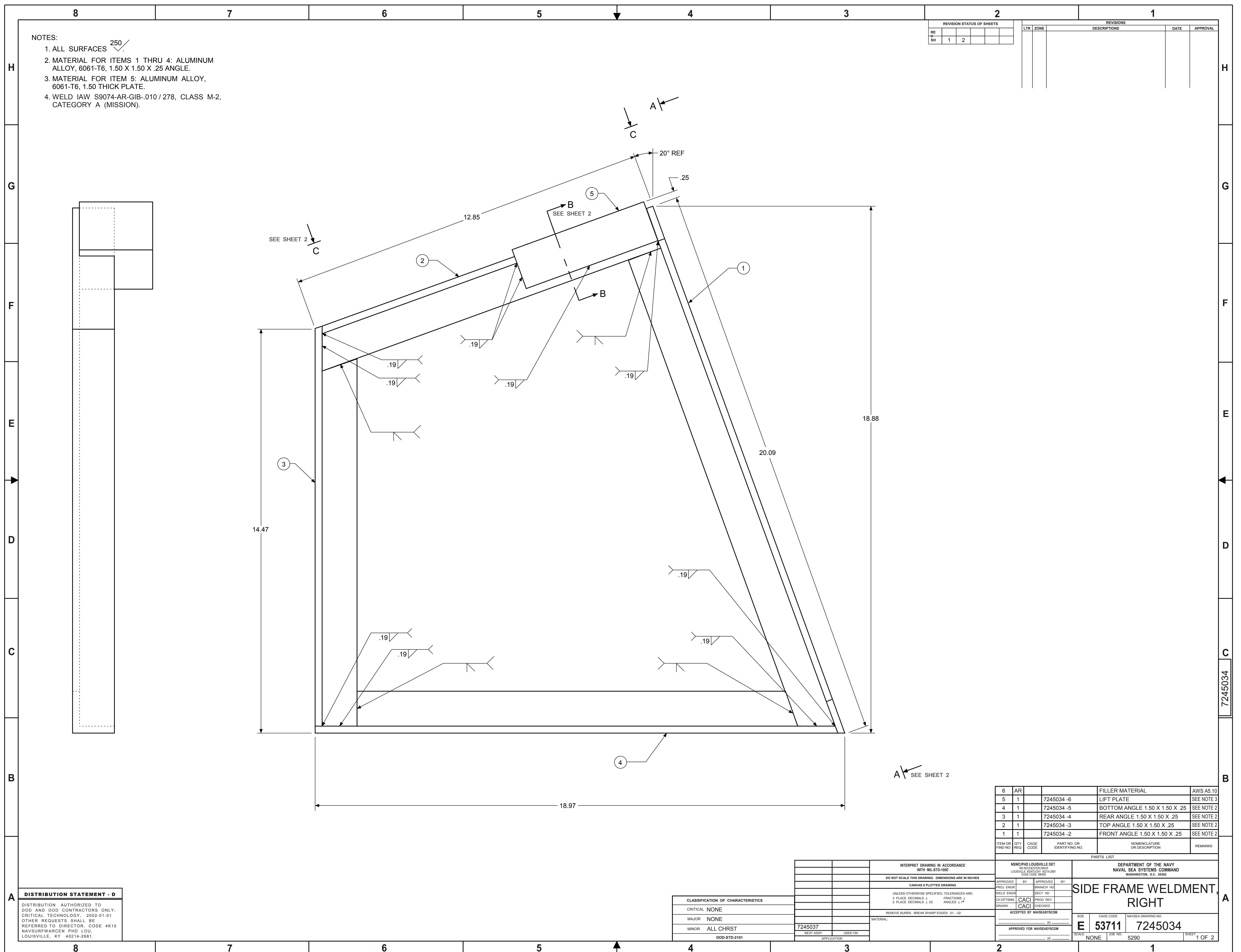
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E	
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES	
CANVAS & PLOTTED DRAWING	
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .010 FRACTIONS ± 1/16" 2 PLACE DECIMALS ± .03 ANGLES ± 1°	
REMOVE BURRS. BREAK SHARP EDGES .01" .02"	
MATERIAL: 6061-T6 ALUM ALLOY, .50 THK	
NEXT ASSY USED ON APPLICATION	

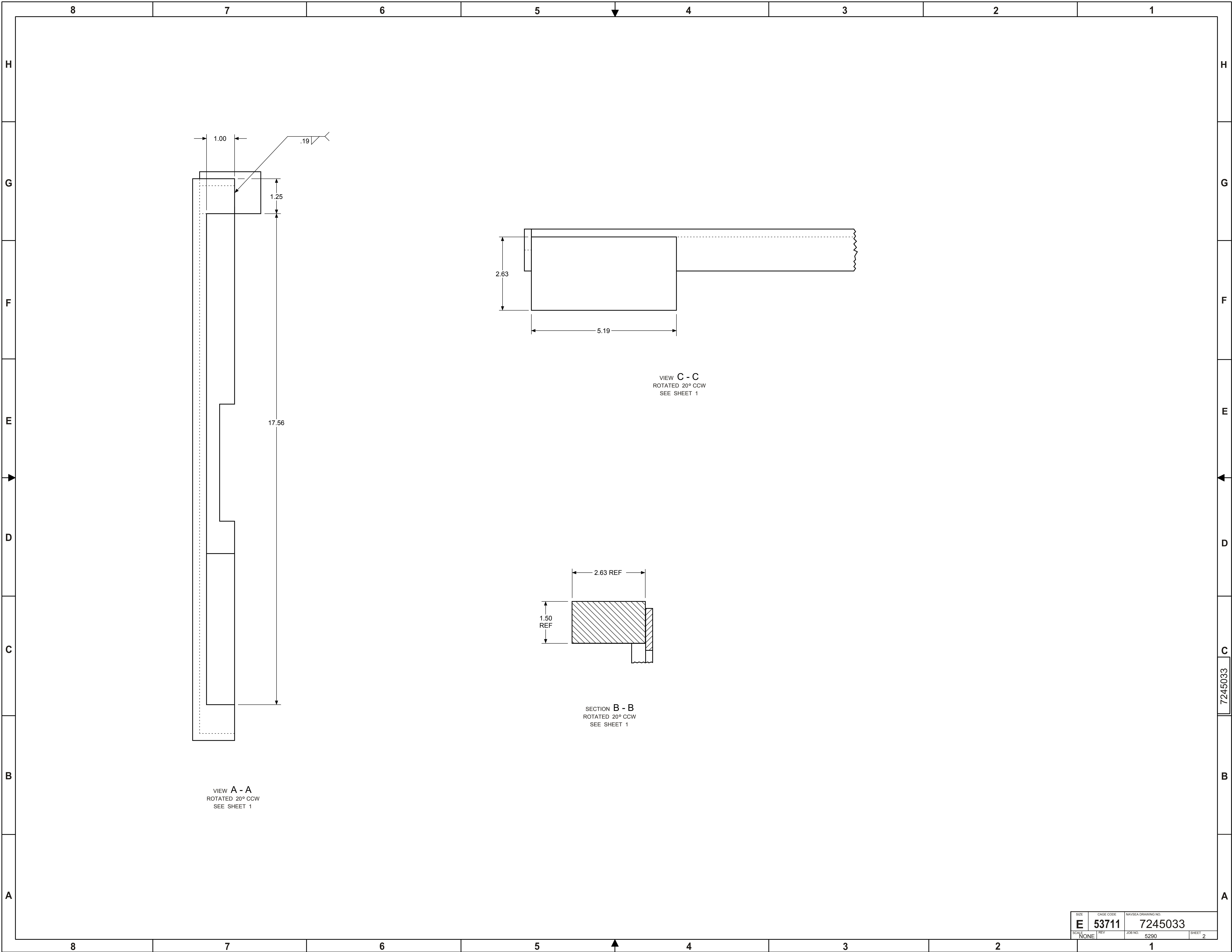
NSWCIPHO LOUISVILLE DET LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE 6865	
APPROVED BY	APPROVED BY
PROJ ENGR	BRANCH HD
WELD ENGR	SECT HD
CH OPTSMN	PROG REV
DRAWN	CACI CHECKED
ACCEPTED BY NAVSEASYSCOM	
APPROVED FOR NAVSEASYSCOM	

DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340	
FRAME, FRONT	
SIZE	CAGE CODE
E 53711	7245035
SCALE	JOB NO.
NONE	5290
SHEET 1 OF 1	

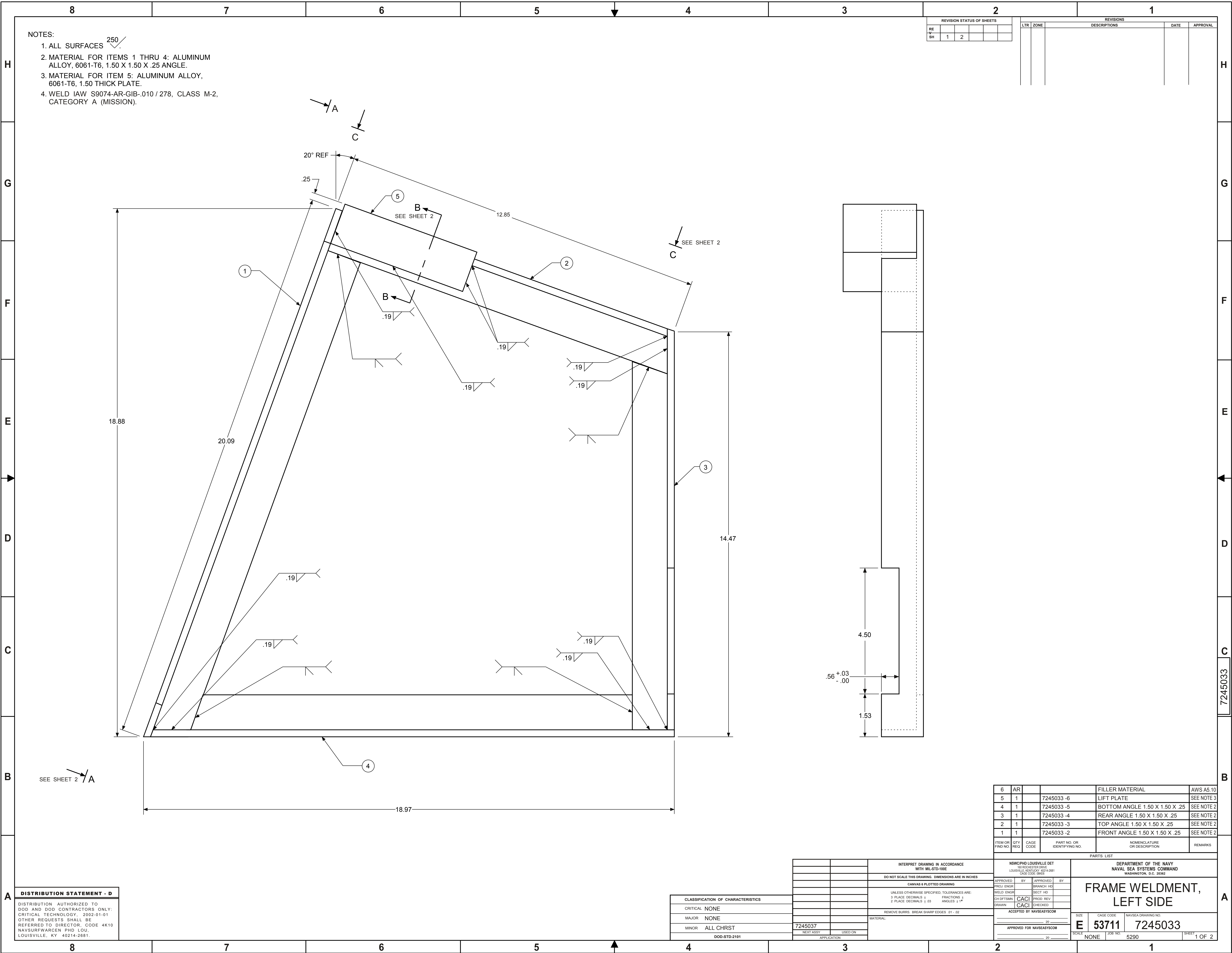












- NOTES:
1. ALL SURFACES  $\sqrt{250}$
  2. MATERIAL FOR ITEMS 1 THRU 4: ALUMINUM ALLOY, 6061-T6, 1.50 X 1.50 X .25 ANGLE.
  3. MATERIAL FOR ITEM 5: ALUMINUM ALLOY, 6061-T6, 1.50 THICK PLATE.
  4. WELD IAW S9074-AR-GIB-010 / 278, CLASS M-2, CATEGORY A (MISSION).

REVISION STATUS OF SHEETS					
REV	NO	DATE	BY	CHKD	APPD
1	2				

		REVISIONS		DATE	APPROVAL
LTR	ZONE	DESCRIPTIONS			

6	AR			FILLER MATERIAL	AWS A5.10
5	1	7245033-6		LIFT PLATE	SEE NOTE 3
4	1	7245033-5		BOTTOM ANGLE 1.50 X 1.50 X .25	SEE NOTE 2
3	1	7245033-4		REAR ANGLE 1.50 X 1.50 X .25	SEE NOTE 2
2	1	7245033-3		TOP ANGLE 1.50 X 1.50 X .25	SEE NOTE 2
1	1	7245033-2		FRONT ANGLE 1.50 X 1.50 X .25	SEE NOTE 2

ITEM OR FIND NO		QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
PARTS LIST						
NSWCIPHO LOUISVILLE DET 18250 CROFTER DRIVE LOUISVILLE, KENTUCKY 40214-2681 CAGE CODE 8885						
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340						
FRAME WELDMENT, LEFT SIDE						
ACCEPTED BY NAVSEASYSCOM						
APPROVED FOR NAVSEASYSCOM						
SCALE NONE						
SIZE E 53711						
CAGE CODE 5290						
NAVSEA DRAWING NO. 7245033						
SHEET 1 OF 2						

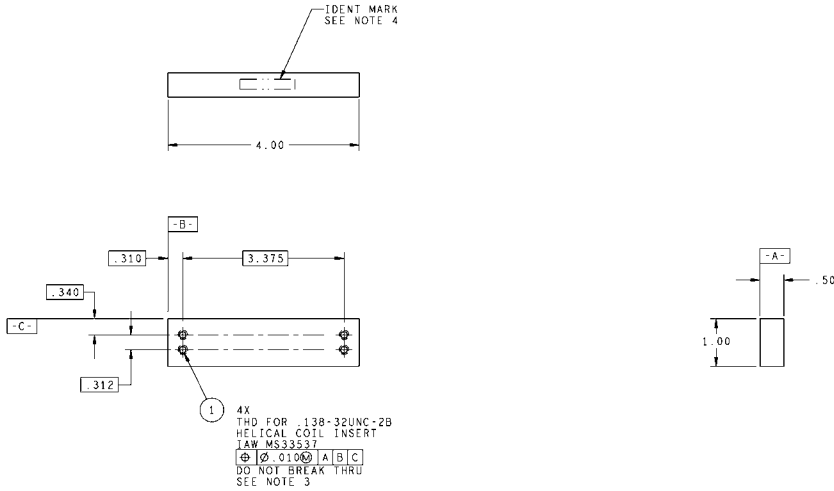
CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRST
DOD-STD-2101	

APPLICATION	
NEXT ASSY	USED ON
7245037	

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E	
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES	
CANVAS & PLOTTED DRAWING	
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS ± .003 FRACTIONS ± 1/16 2 PLACE DECIMALS ± .03 ANGLES ± 1°	
REMOVE BURRS, BREAK SHARP EDGES .01 - .02	
MATERIAL:	

APPROVED		BY	
PROJ ENGR		BRANCH HD	
WELD ENGR		SECT HD	
CH OPTSMN		PROD REV	
DRAWN	CACI	CHECKED	
ACCEPTED BY NAVSEASYSCOM			

- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. ALL SURFACES  $125/\sqrt{\text{ }}$ .
  3. INSTALL SCREW THREAD INSERTS IAW MS33537, REMOVE TANG
  4. STEEL STAMP "53711-7244514" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 11-12-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4X10  
NAVJAGMARCHEN PHD LOU,  
LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS

CRITICAL	- NONE
MAJOR	- NONE
MINOR	- ALL CHRS
DOD-STD-2101	

1	4	MS21209C0625	INSERT, SCREW THREAD	NASW21209	
ITEM OR FIND NO	QTY REQD	CAGE CODE	PART NO. OR IDENTIFYING NO	NAME/CLATURE OF DESCRIPTION	REMARKS
INTERPRET DRAWING IN ACCORDANCE WITH MTI-STD-100F					
CAD PLOTTED DRAWING (PMD-2 VER 203)					
DO NOT SCALE THIS DRAWING; DIMENSIONS ARE IN INCHES					
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: 3 PLACE DECIMALS & .010 FRACTIONS & 2 PLACE DECIMALS & .03 ANGLES < 1					
REMOVE BURRS, BREAK SHARP EDGES .01 .02					
MATERIAL: AL ALY 5052-H32					
NEXT ASSY: APPLICATION					
PARTS LIST					
KING/PRO LOUISVILLE DET 1514 ROCKEFELLER DRIVE LOUISVILLE, KY 40214-2681 CAGE CODE: 68868					
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20382					
PLATE					
ACCEPTED BY: NAVSEA/STCOM					
APPROVED FOR NAVSEA/STCOM S. CURTIS /s/					
29 AUG 2000					
SIZE: D 53711 7244514					
SCALE: 1/1 JOB NO: 5121 SHEET: 1 OF 1					

6

5

4

3

2

1

REV:SION

DESCRIPTION

DATE

APPROVAL

LTB

REV

NOTES:

1. INTERPRET DIMENSIONING AND TOLERANCING [AW ANSI Y14.5M-1982.

2. ALL SURFACES  $125\sqrt{\text{ }}$ .

3. STEEL STAMP "53711-7244512" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.

IDENT MARK  
SEE NOTE 3

4.50

14.75

.12

DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 11-15-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4X10  
NAVSUPMARCEM PHO LOU,  
LOUISVILLE, NY 40214-2681

CLASSIFICATION OF CHARACTERISTICS

CRITICAL - NONE

MAJOR - NONE

MINOR - ALL CHRST

DOD-STD-2101

ITEM OR  
PART NO.

QTY  
REQD

CAGE  
CODE

PART NO. OR  
IDENTIFYING NO.

NOMENCLATURE  
OR DESCRIPTION

REMARKS

INTERPRET DRAWING IN ACCORDANCE  
WITH MTI-STD-100F

CAD PLOTTED DRAWING (PRO-2 VER 203)

DO NOT SCALE THIS DRAWING: DIMENSIONS ARE IN INCHES

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:  
3 PLACE DECIMALS & FRACTIONS .1  
2 PLACE DECIMALS & ANGLES .5°

REMOVE BURRS. BREAK SHARP EDGES .01-.02

MATERIAL:

AL ALY 5052-H32

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND  
WASHINGTON D.C. 20382

TOP

APPROVED FOR NAVSEASYSTEM  
S. CURTIS /s/

29 AUG 2000

SIZE

CAD/COD

NAVSEA DRAWING NO.

D

53711

7244512

SCALE 1/1

JOB NO. 5121

SHEET 1 OF 1

6

5

4

3

2

1

654321

REV:SION  
DESCRIPTION  
DATE  
APPROVAL

NOTES:  
1. INTERPRET DIMENSIONING AND TOLERANCING [AW ANSI Y14.5M-1982.  
2. ALL SURFACES  $125\sqrt{\text{ }}$   
3. STEEL STAMP "53711-7244511" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.

15.00

.12

2X R.26

5.38

4.50

IDENT MARK  
SEE NOTE 3

DISTRIBUTION STATEMENT - D  
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 11-12-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4X10  
NAVSUPMARSEN PHD LOU,  
LOUISVILLE, NY 40214-2681

CLASSIFICATION OF CHARACTERISTICS  
CRITICAL - NONE  
MAJOR - NONE  
MINOR - ALL CHRT  
DOD-STD-2101

ITEM OR  
FIND NO

QTY  
REQD

CAGE  
CODE

PART NO. OR  
IDENTIFYING NO

NOMENCLATURE  
OR DESCRIPTION

REMARKS

INTERPRET DRAWING IN ACCORDANCE  
WITH MTI-STD-100F  
CAD PLOTTED DRAWING (PHD-2 VER 201)  
DO NOT SCALE THIS DRAWING: DIMENSIONS ARE IN INCHES  
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:  
3 PLACE DECIMALS & FRACTIONS .X  
2 PLACE DECIMALS & ANGLES .X  
REMOVE BURRS, BREAK SHARP CORNERS .01 .02  
MATERIAL:  
AL ALY 5052-H32

APPROVED BY: [Signature]  
DATE: 29 AUG 2000

APPROVED FOR NAVSEASPCOM  
S. CURTIS /s/

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND  
WASHINGTON D.C. 20382

SKIN

SIZE  
D

CAGE CODE  
53711

NAVSIA DRAWING NO  
7244511

SCALE 1/2 JOB NO. 5121 SHEET 1 OF 1

6 5 4 3 2 1

F

E

D

C

B

A

F

E

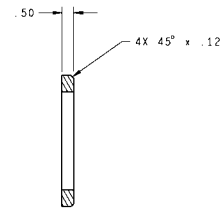
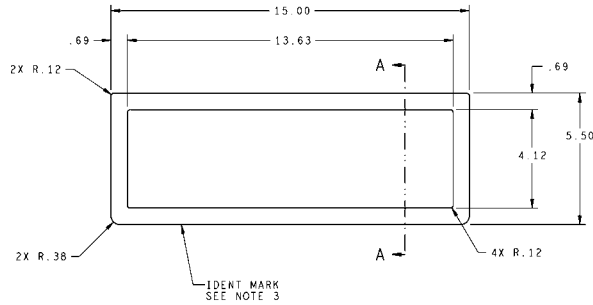
D

C

B

A

- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. ALL SURFACES  $125^\circ$
  3. STEEL STAMP "53711-7244508" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



SECTION A - A

DISTRIBUTION STATEMENT - D

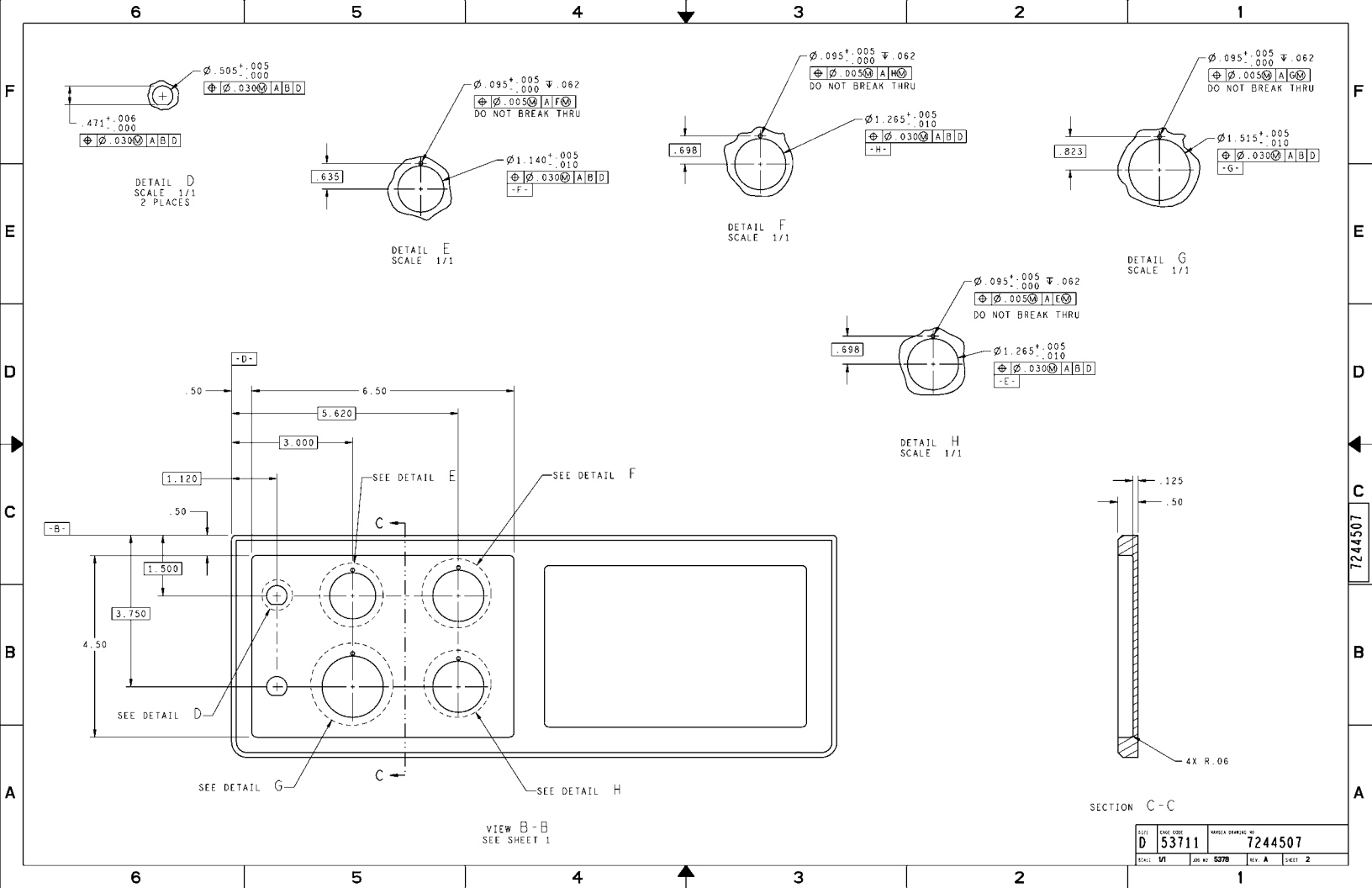
DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 10-14-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSUBMASCEN PHD LOD,  
LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS	
CRITICAL - NONE	
MAJOR - NONE	
MINOR - ALL CHRST	7244504
DOD-STD-2101	NEXT ASSD. USED ON APPLICATION

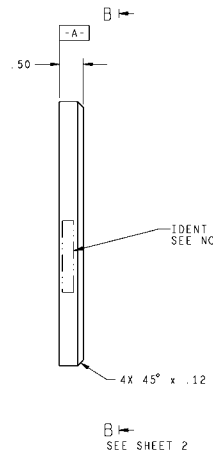
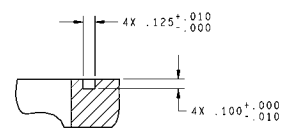
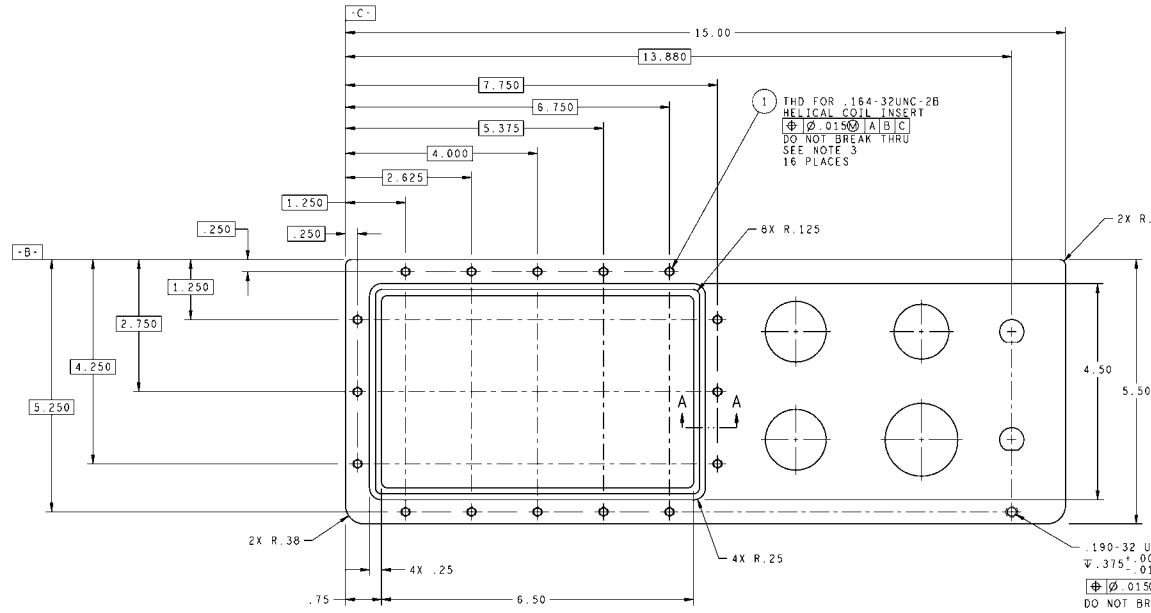
ITEM OR PART NO.	QTY REQ.	CAGE CODE	PART NO. OR IDENTIFYING NO.	NAME/CLASIF. OF DESCRIPTION	STMARKS
			PARTS LIST		
			INTERPRET DRAWINGS IN ACCORDANCE WITH MIL-STD-1000: CAD PLOTTED DRAWING (PHOTO VER. 58) UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. 3 PLACE DECIMALS & 63 FRACTIONS & 1" ANGLES & 1" REMOVE BURRS - BREAK SHARP EDGES - 01 - 02 MATERIAL - AL ALY 6061-T6		
			APPROVED BY: S. CURTIS /s/		
			ACCEPTED BY: NAVSEASYSVLM		
			APPROVED FOR NAVSEASYSVLM		
			S. CURTIS /s/		
			29 AUG 2000		
			DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20340		
			FRAME, FRONT		
			SIZE: D 53711		
			CAGE CODE: 7244508		
			NAVSUB DRAWING NO. 7244508		
			SCALE: 1/2		
			JOB NO.		
			SHEET 1 OF 1		

6 5 4 3 2 1





- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. ALL SURFACES  $125/\sqrt{\phantom{x}}$ .
  3. INSTALL SCREW THREAD INSERTS IAW MS33537. REMOVE TANG.
  4. STEEL STAMP "53711-7244507" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.
  5. SCREW THREADS IAW ANSI/ASME B1.1-1989.



DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY - 12-15-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFASSEN PHD LOU  
LOUISVILLE, KY 40214-2681

CLASSIFICATION OF CHARACTERISTICS

CRITICAL - NONE

MAJOR - NONE

MINOR - ALL CHRST

DOD-STD-2101

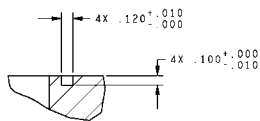
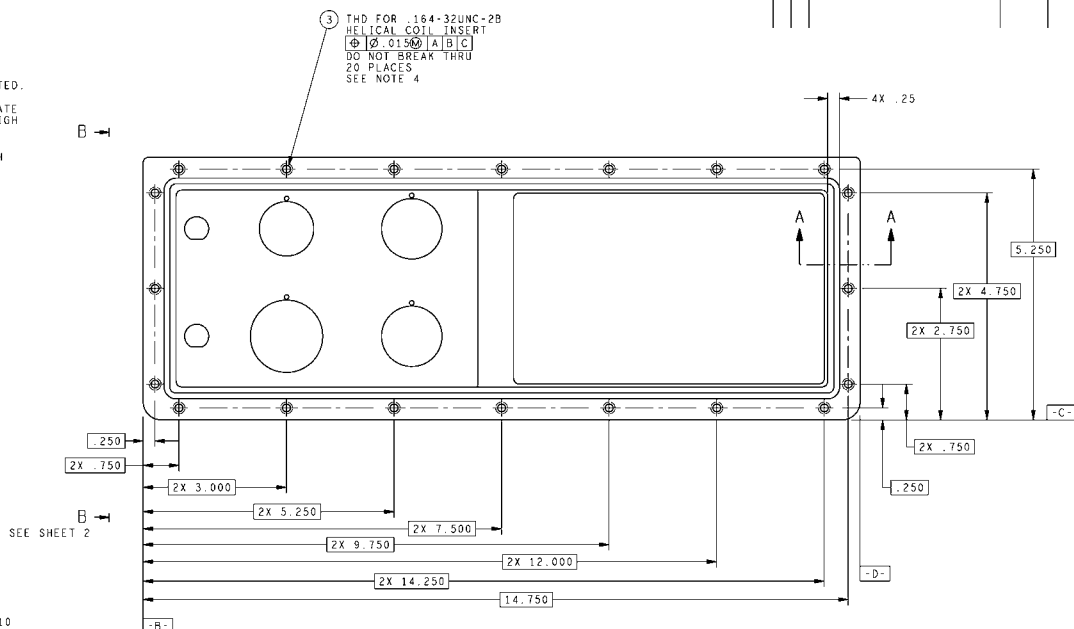
1		1E	MS21209C0B20		INSERT, SCREW THREAD		NASM21209	
ITEM OR FIND NO.	QTY REQ.	CAGE CODE	PART NO. OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		REMARKS	
			PARTS LIST					
			INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100E					
			EAD PLOTTED DRAWING (PROD-1 VER 20)					
			DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES					
			UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:					
			2 PLACE DECIMALS ± .010					
			FRACTIONS ± .01					
			ANGLES ± 1°					
			UNLESS OTHERWISE SPECIFIED, BREAK SHARP CORNERS					
			MATERIAL:					
			AL ALY 5052-H32					
			APPROVED FOR NAVSEA/SSCOM					
			S. CURTIS /s/					
			29 AUG 2000					
			ACCEPTED BY NAVSEA/SSCOM					
			SIZE: CAGE CODE: NAVSEA DRAWING NO:					
			D 53711 7244507					
			SCALE 1/1			JOB NO. 5378		
						SHEET 1 OF 2		

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND  
WASHINGTON D.C. 20382

FRAME, REAR

1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
2. ALL SURFACES  $\frac{125}{\sqrt{R}}$
3. CHEMICAL COAT IAW MIL-C-5541, CLASS 3.
4. INSTALL HELICAL COIL INSERTS IAW MS35337. REMOVE TANG
5. PAINT IAW MIL-STD-001303C, SYSTEM 37, EXCEPT SURFACE NOTED.
6. INK STAMP REF DESIGNATIONS IAW MIL-STD-130, IN APPROXIMATE POSITION SHOWN. LIST ITEM 6 CHARACTERS SHALL BE .12 HIGH AND STAMPED RELATIVE TO OPENINGS APPROX AS SHOWN.
7. STEEL STAMP "53711-7244503" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROX POSITION SHOWN.

REVISION STATUS OF SM		REVISION		
SM		DATE	DESCRIPTION	APPROVAL
SM 1	-			
SM 2	-			
SM 3	-			



SECTION A - A  
SCALE 2/1

6	AR	AA-56032 1 BLK	INK, MARKING, EPOXY BASE	A-A-56032
5	AR	TT-P-645	PRIMER	
4	AR	MIL-E-24635, CLASS II	ENAMEL	COLOR 26307
3	20	MS21209C0820	INSERT, SCREW THREAD	NASW21209
2	4	MS21209CA-15	INSERT, SCREW THREAD	NASW21209
1	1	7244504	BOX, WELDMENT	

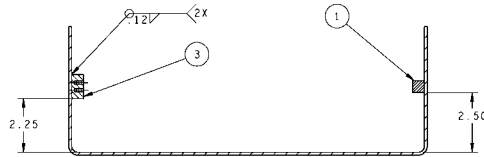
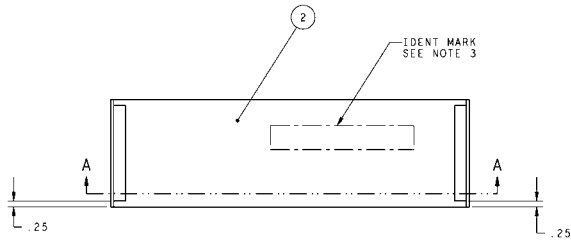
ITEM OR FIND NO	QTY REQ	CASE CODE	PART NO. OR IDENTIFYING NO.	NONE/CATEGORY OF DESCRIPTION	REMARKS
PARTS LIST					
			NINCPDW LISTSHEET SET NINCPDW INSTRUCTIONS SET NINCPDW ANNOTATED 4074-2481 CASE CODE: 000000		DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20382
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100P CROSS PLOTTED DRAWING FORM 291 DO NOT SCALE -> DRAWING FUNCTIONS TO BE USED IN WORKS UNLESS OTHERWISE SPECIFIED. TOLERANCES ARE: A PLACE DECIMALS & .010 FRACTIONS & B PLACE DECIMALS & .03 ANGLES & REWORK SURF. BREAK SHARP EDGES Q1 - 02 MATERIAL:					
7244500			APPROVED FOR RELEASE SECRET 747		D 53711 7244503
NEXT ASSY USED ON			SHEET 121 OF 5121		FIGURE 1 OF 3

CLASSIFICATION OF CHARACTERISTICS
CRITICAL - NONE
MAJOR - NONE
MINOR - ALL CHRT
DOD-STD-2101

DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 01-31-00  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARREN PHD LOU,  
LOUISVILLE, KY 40214-2681

- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. WELD IAW MIL-STD-278, CLASS M-2, CAT B, USING ITEM 4.
  3. STEEL STAMP "53711-7244505" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



SECTION A - A

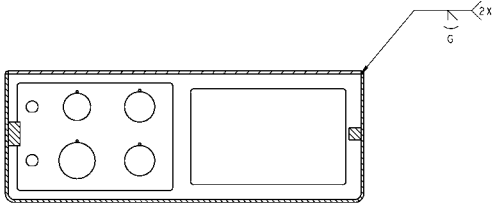
DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY.  
CRITICAL TECHNOLOGY, 11-17-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVJAG/NAVJAG PHD LOU,  
LOUISVILLE, KY 40214-2681

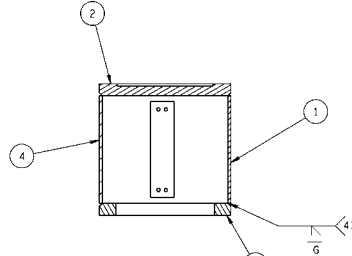
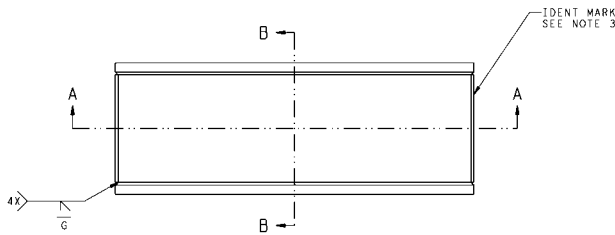
CLASSIFICATION OF CHARACTERISTICS	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHRS
DOD-STD-2101	

4	AR	5356	FILLER MATERIAL	AWS A5.10	
3	1	7244514	PLATE		
2	1	7244511	SKIN		
1	1	7244506	BAR		
ITEM OR PART NO.	QTY REQD	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
INTERPRET DRAWING IN ACCORDANCE WITH MTI-STD-1007					
CAD PLOTTED DRAWING (PLOT-2 VER 201)					
DO NOT SCALE THIS DRAWING. DIMENSIONS ARE IN INCHES.					
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:					
3 PLACE DECIMALS & .001 FRACTIONS & .001 ANGLES & .001					
RUNDING RULES: DIM. SHARP CORNERS & .001					
MATERIAL:					
SEE PARTS LIST					
NEXT ASSY: JOBS ON APPLICATION					
APPROVED FOR NAVJAG/NAVJAG S. CURTIS /s/					
23 AUG 2000					
ACCEPTED BY NAVJAG/NAVJAG					
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20382					
SKIN, WELDMENT					
SIZE: CASE: COOL: NAVSEA DRAWING NO:					
D 53711 7244505					
SCALE: 1/2 JOB NO: 5121 SHEET: 1 OF 1					

- NOTES:
1. INTERPRET DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
  2. WELD IAW MIL-STD-278, CLASS M-2, CAT A, USING ITEM 5.
  3. STEEL STAMP "53711ASSY7244504" IAW MIL-STD-130, IN .12 HIGH CHARACTERS IN APPROXIMATE POSITION SHOWN.



SECTION A-A

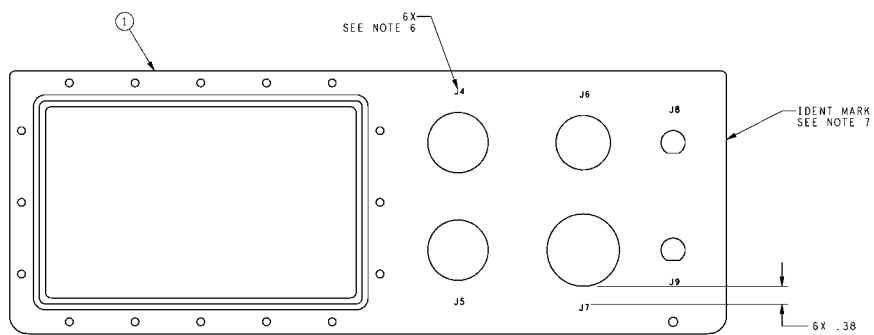


SECTION B-B

5	AR	5356	FILLER MATERIAL		ANSI A5.10
4	1	7244512	TOP		
3	1	7244508	FRAME, FRONT		
2	1	7244507	FRAME, REAR		
1	1	7244505	SKIN WELDMENT		
ITEM OR FIND NO.	QTY REQ	CAGE CODE	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS
PARTS LIST					
			NOMENCLATURE OF THE DRAWING: 7244503/1000 BY: 1000/100		

DISTRIBUTION STATEMENT - D

DISTRIBUTION AUTHORIZED TO  
DOD AND DOD CONTRACTORS ONLY:  
CRITICAL TECHNOLOGY, 15-17-99  
OTHER REQUEST SHALL BE  
REFERRED TO DIRECTOR, CODE 4K10  
NAVSURFWARDCEN PHD LOU,  
LOUISVILLE, KY 40214-2681



PANEL MARKINGS  
BACK VIEW

TYPE <b>D</b>	CAGE CODE <b>53711</b>	MAYDIA DRAWING NO. <b>7244503</b>		
SCALE <b>1/2</b>	ISS NO. <b>5121</b>	REV:	SHEET <b>3</b>	

